

حمل الآن

مجاناً وحصرياً

امتحانات رقم (1)

الترم الاول



Model Exam 1



1 (A) Write the scientific term for the following :

The amount of space that matter takes up.

(.....)

(B) Mention the uses of :

1. Measuring cup :
2. Tape measure :
3. Common balance :
4. Thermometer :

2 (A) Choose the correct answer :

When water is boiled, it will

- a. condense. b. freeze. c. melt. d. evaporate.

(B) Compare between : Producers and consumers

Points of comparison	Producers	Consumers
1. Definition :		
2. Example :		

3 (A) Put (✓) or (X) :

1. Salt solution is considered a mixture. ()
2. A piece of cork sinks in water, while a piece of wood floats. ()

(B) Mention the way of seed dispersal in each of the following :

1. Coconut seeds :
2. Dandelion seeds :
3. Burdock seeds :

4 (A) Correct the underlined words :

1. The speed of the molecules (particles) of matter decreases when they gain thermal energy. (.....)
2. Chemical change is a change in matter without any change in its structure. (.....)

(B) Give reasons for :

1. The roof of desert home is made of strong stones.

2. Photosynthesis process is important for plants to survive.

3. Plastics are very harmful to marine organisms.

Model Exam 2



1 (A) Write the scientific term for the following :

The changing of a substance from a solid state to a liquid state. (.....)

(B) What happens when ... ?

1. Removing of grass from the ecosystem.

.....

2. Placing the plant in a dark place for a long time.

.....

3. Put water in the freezer of the refrigerator.

.....

4. The roof of a house in a cold environment is flat.

.....

2 (A) Put (✓) or (X) :

Microorganisms that live in water increase when the water becomes warmer. ()

(B) Complete the following sentences using the words below :

(water – wind – particles – copper – rubber – flower – leaf)

1. Maple seeds are dispersed by

2. Matter is made up of small units called

3. Tires and gloves are made up from

4. The organ responsible for reproduction in most plants is the

3 (A) Choose the correct answer :

(5 marks)

1. The process of photosynthesis occurs in the of the plants.

a. stem

b. flowers

c. leaves

d. roots

2. Atmospheric air is considered as a matter.

a. solid

b. frozen

c. liquid

d. gaseous

(B) Give reasons for :

1. Sunlight is one of the basic needs of plants.

.....

2. Humans feed on plants and animals.

.....

3. Eyeglasses are made up from glass.

.....

4 (A) Correct the underlined words :

1. Veins carry blood rich in oxygen and nutrients. (.....)

2. Burning of wood is an example of a physical change. (.....)

(B) Classify the following living organisms :

(Trees – Rabbits – Fungi – Algae – Sharks – Bacteria)

1. Producers :

2. Consumers :

3. Decomposers :

Model Exam 3



1 (A) Correct the underlined word :

Oxygen gas is used to fill balloons and blimps.

(.....)

(B) Mention the importance of :

1. Plant leaves :
2. Stomata :
3. The heart :
4. Flowers :

2 (A) Choose the correct answer :

The food chain in seas begins with

- a. sea turtle. b. small fish. c. algae. d. starfish.

(B) Compare between : Solids and gases

Points of comparison	Solids	Gases
1. Shape :		
2. Volume :		

3 (A) Put (✓) or (X) :

1. Plant roots absorb sunlight to make its food. ()
2. Heavy rains harm the desert ecosystem. ()

(B) Give reasons for :

1. Sugar is a matter.
.....
2. The presence of hairlike structures in plant's roots.
.....
3. Sticky seeds of some plants can stick to human clothes or an animal's body.
.....

4 (A) Cross out the odd words :

1. Water – Wood – Air – Light.

(.....)

2. Rabbits – Plants – Grasses – Algae.

(.....)

(B) What happens if ... ?

1. You boil an amount of seawater for a long time.

.....

2. An electric wire is made from wood instead of copper.

.....

3. All types of decomposers are absent from an ecosystem.

.....

Model Exam 4



1 (A) Correct the underlined word :

During coral bleaching, the coral reefs turn into green. (.....)

(B) What happens if ... ?

1. Plants can't produce glucose sugar during photosynthesis process.
.....

2. People throw plastic garbage and waste materials in water.
.....

3. We mix iodine with cornstarch.
.....

4. We put small amount of milk in the freezer for few hours.
.....

2 (A) Choose the correct answer :

Grapes tree has stem.

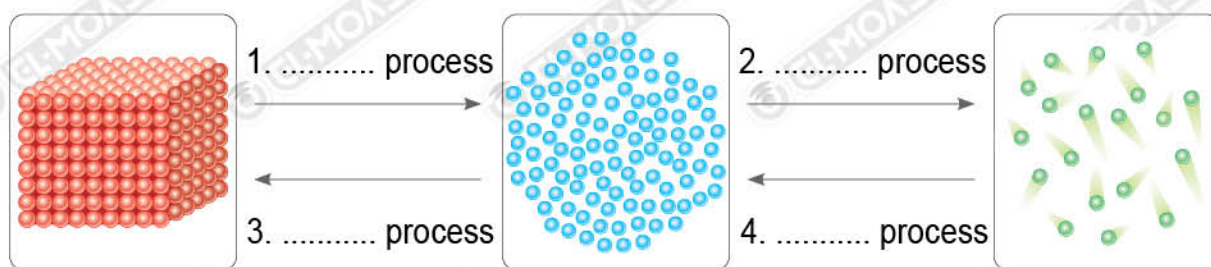
a. runner

b. tuber

c. climb

d. upright

(B) Complete the following diagram :



3 (A) Put (✓) or (X) :

1. To separate sand from salty water, we can use filtration process. ()

2. Oil and milk don't have definite volume. ()

(B) Mention the type of matter that is used in :

1. Making electrical wires and cooking pans. (.....)

2. Making screwdrivers and hammers. (.....)

3. Making tires and gloves. (.....)

4 (A) Cross out the odd word :

1. Wood – Plastic – Glass – Water.

(.....)

2. Plants – Fungi – Bacteria – Worms.

(.....)

(B) Give reasons for :

1. Human can use helium gas safely.

.....

2. Death of algae may lead to moving sharks away to another places.

.....

3. Seeds of maple plant can disperse through wind easily.

.....

Model Exam 5



1 (A) Write the scientific term :

It is the process of removing salt from water.

(.....)

(B) Compare between : Mass and volume

Points of comparison	Mass	Volume
1. Definition :		
2. Measuring units :		

2 (A) Choose the correct answer :

..... are considered primary consumers.

a. Grasses

b. Flowers

c. Insects

d. Lions

(B) Look at the opposite figure, then choose the correct answer from those between brackets to complete the following sentences :

1. Vessel number ① refers to

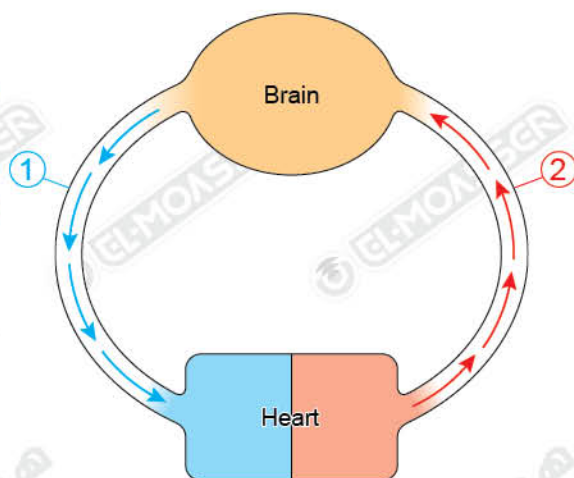
(a vein – an artery)

2. Vessel number ② refers to

(a vein – an artery)

3. Vessel number (① – ②)
transfers blood rich in carbon dioxide gas,
while vessel number (① – ②)
transfers blood rich in oxygen gas.

4. Vessels number ① and ② belong to
..... system. (digestive – circulatory)



3 (A) Put (✓) or (X) :

1. Removing plants at riverbanks, negatively impact the environment.

()

2. Dehydration means that human body contains a lot of water.

()

(B) Give reasons for :

1. Xylem in plant is a one-way vessel.

.....

2. Using models to study some scientific concepts.

3. The roof of tropical rainforest home is made of leaves and sticks.

4 (A) Correct the underlined words :

1. Human transportation system is called respiratory system. (.....)

2. We can separate salt from water by filtration. (.....)

(B) What happens to ... ?

1. The microorganisms, if the sea water becomes warm.

2. An iron nail, if it is put close to a magnet.

3. A shiny piece of metal, if it is exposed to air for a long time.

Model Exam 1

1 (A) Volume.

- (B) 1. Measuring the volume of objects.
2. Measuring the length of objects.
3. Measuring the mass of objects.
4. Measuring the temperature of objects.

2 (A) d

(B)

Points of comparison	Producers	Consumers
1. Definition :	They are organisms that can make their own food.	They are organisms that eat other living organisms to get their energy.
2. Example :	Green plants.	Lions.

3 (A) 1. (✓) 2. (✗)

- (B) 1. Floating on water.
2. Travelling by wind.
3. Sticking to animal fur.

4 (A) 1. increases 2. Physical

- (B) 1. To protect the desert home from dust and dirt.
2. Because it helps the plant to make its own food.
3. Because plastics are toxic and sharp.

Model Exam 2

1 (A) Melting process

- (B) 1. Primary consumers will move away to another place to search for food, or they will die.
2. The plant can't make photosynthesis process, and it will die.
3. It will change from liquid state to solid state.
4. The rain will be collected on the top of the house.

2 (A) (✗)

- (B) 1. wind. 2. particles.
3. rubber. 4. flower.

3 (A) 1. c 2. d

- (B) 1. Because it is absorbed by the plants leaves to make their own food and grow.
2. To get their needed energy to do their activities.
3. Because glass is transparent and smooth.

4 (A) 1. Arteries 2. chemical

- (B) 1. Trees - Algae
2. Rabbits - Sharks
3. Fungi - Bacteria

Model Exam 3

1 (A) Helium

- (B) 1. They make food for the plant through photosynthesis process.
2. They allow gases to move into and out of the plant.
3. It pumps the blood to all the body parts and receives it again.
4. They produce seeds that help the plant to reproduce.

2 (A) c

(B)

Points of comparison	Solids	Gases
1. Shape :	Definite.	Not definite.
2. Volume :	Definite.	Not definite.

3 (A) 1. (✗) 2. (✓)

- (B) 1. Because it has mass and volume.
2. To increase the amount of absorbed water and nutrients from the soil.
3. To disperse their seeds to other places.

4 (A) 1. Light (All items are considered as matter, except light which is considered as an energy).

2. Rabbits (All items are producers, except rabbits that are consumers).

- (B) 1. Water vapor rises up leaving salts and other minerals.
2. It will not conduct electricity.

3. Dead organisms will not be decomposed and their nutrients will not return back to the soil.

Model Exam 4

- 1 (A) white.
(B) 1. Plants can't get their needed energy to survive and grow.
2. They will pollute water, and the marine organisms will be negatively affected.
3. A dark blue substance is formed.
4. It changes from liquid state to solid state.
-
- 2 (A) c
(B) 1. Melting 2. Evaporation
3. Freezing 4. Condensation
-
- 3 (A) 1. (✓) 2. (✗)
(B) 1. Copper.
2. Steel.
3. Rubber.
-
- 4 (A) 1. Water. (All items are solids, while water is liquid).
2. Plants. (All items are decomposers, except plants that are producers).
(B) 1. Because it is not flammable or poisonous.
2. Because sharks feed on different fish that depend on algae to get their food.
3. Because they are light seeds.

Model Exam 5

- 1 (A) Desalination.
(B)

Points of comparison	Mass	Volume
1. Definition :	It is a measure of the amount of matter.	It is the amount of space that matter takes up.
2. Measuring units :	(Kg) and (g)	(L), (mL) and (cm ³)

- 2 (A) c
(B) 1. a vein 2. an artery.
3. (1) - (2) 3. circulatory
-
- 3 (A) 1. (✓) 2. (✗)
(B) 1. Because xylem carries water and nutrients from the roots to the leaves.
2. To study them in an easier way.
3. To protect the home from animals getting inside.
-
- 4 (A) 1. circulatory 2. evaporation.
(B) 1. They will move away to a cooler water, and also the fish that feed on them.
2. It will be attracted to the magnet.
3. It will lose its shining.

1

Cairo Governorate

Heliopolis Educational Zone

1 (A) Complete the following sentences :

1. We can remove sea weeds from ocean's water by using process, while we remove salt from ocean's water by
2. In marine food web, algae is considered as , while shark is considered as
3. Measuring cup is used to measure the , while the thermometer is used to measure the

(B) Give a reason for :

The change in population of one species affects on the population of other species.

.....

2 (A) Put (✓) or (X) and correct if it is wrong :

Floating and sinking in water depend on mass of the substance. ()

.....

(B) What happens to ...?

1. The speed of particles of a substance when the temperature increases.
 2. The producers and second consumers in an ecosystem, when the number of rabbits increases.
-

3 (A) Choose the correct answer :

..... is repairing all parts of the habitat, and prevent species from

- a. Population – decrease.
- b. Population – increase.
- c. Habitat restoration – extinction.

(B) Compare between :

1.

Points of comparisons	Evaporation	Condensation
Motion of particles :		
Intermolecular spaces :		
2.

Point of comparison	Phloem	Veins
Function :		

2**Cairo Governorate****Dar Al Salam Educational Zone****1 (A) Choose the correct answer :**

1. A component within a plant that absorbs sunlight during photosynthesis is
a. green chlorophyll. b. stomata. c. seeds. d. xylem.
2. All of the following are considered as producer organisms, except
a. carrot. b. rabbit. c. grass. d. cactus.
3. The phenomenon of coral bleaching happens as a result of water temperature.
a. rising b. moderating c. decreasing d. constant

(B) Give a reason for :

Glass is used to make electric lamps.

.....

2 (A) Put (✓) or (X) :

Photosynthesis occurs in plant seeds. ()

(B) What happens ...?

1. If sunlight does not reach the Earth.
.....
2. When placing a piece of ice in the Sun for a long period of time.
.....

3 (A) Write the scientific term :

Tubes (vessels) carries water from the roots to the leaves. (.....)

(B) Answer the following :

1. Create a food chain from the following organisms.
(Insect – Snake – Grass – Frog)
.....

2. Mention one of the uses of helium.
.....

3**Cairo Governorate****Mokattam Educational Zone****1 (A) Put (✓) or (X) :**

1. Roots absorb sunlight. ()
2. Soil is a basic need for the plant to grow well. ()
3. Heavy rain harms the desert ecosystem. ()

(B) Give a reason for :

Dandelion seeds spread (disperse) by wind.

.....

2 (A) Choose the correct answer :

In photosynthesis, light energy is converted into energy.

- a. gravity b. thermal c. chemical

(B) Write the scientific term :

1. Living organisms that can produce their own food. (.....)
2. The change of matter from the solid state to the liquid state. (.....)

3 (A) Form a food chain from the following organisms :

(Rabbit – Grass – Hawk)

(B) Mention one example of :

1. Decomposers :
2. Gaseous matter :

4**Cairo Governorate****Central Cairo Educational Zone****1 (A) Put (✓) next to the correct statements and (X) next to the incorrect ones :**

1. The transport system in plants is like the circulatory system in the human body. ()
2. The rabbit feeds on grass, so it is considered a secondary consumer. ()
3. Loss of habitats is one of the main reasons for the extinction of living organisms. ()

(B) What happens if ... ?

You expose a small amount of water to sunlight for a long period.

2 (A) Choose the correct answer :

The death of marine organisms may occur when they consume

- a. fish. b. plants. c. algae. d. plastic materials.

(B) 1. Create a food chain from the following organisms :

(Carrot – Snake – Bacteria – Rabbit)

2. Mention one state of matter where both its shape and volume are variable.

3 (A) Complete the following sentences :

The process of photosynthesis occurs in

(B) 1. State the scientific reason :

Plants are producer organisms.

2. How can the following mixtures be separated ?

a. A mixture of salt and water.

b. A mixture of sand and water.

5

Cairo Governorate

New Cairo Educational Zone

1 (A) Put (✓) or (X) on the following statements :

1. The stem absorbs water and nutrients from the soil. ()
2. The food chain begins with a producer. ()
3. The number of living organisms decreases if climatic conditions are suitable. ()

(B) What is a measuring tape used for ?

2 (A) Complete the following sentence :

The gas is produced through the process of photosynthesis, and humans use it for breathing.

(B) Write the scientific term :

1. Anything that has mass and occupies space. (.....)
2. A group of food chains interacted with each other. (.....)

3 (A) Choose the correct answer :

The human transportation system is called system.

- a. digestive b. circulatory c. respiratory

(B) Give reasons for :

1. Helium gas is used to fill balloons.

2. The occurrence of coral bleaching.

6

Giza Governorate

6th October Educational Zone

1 (A) Choose the correct answer :

1. The plant makes its food, which is through the process of photosynthesis.
a. protein b. sugar c. seeds
2. The plant absorbs water from the soil through its
a. leaves. b. stem. c. roots.
3. The organisms increase the soil fertility.
a. decomposer b. consumer c. producer

(B) Correct the underlined word :

Burning of wood and rusting of iron are physical changes of matter.

(.....)

2 (A) Write what the following statement means :

Vessels that transport blood rich in carbon dioxide gas from the different parts of the body to the heart.

(.....)

(B) Give reasons for :

1. The occurrence of coral bleaching.

.....

2. Cookware handles are made of plastic not metal.

.....

3 (A) Complete the following sentence :

Coconut seeds are transmitted by

(B) What happens if ...?

1. The rain becomes heavy in the desert ecosystem.

.....

2. You put a bottle of water in the freezer.

.....

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Giza Governorate

Oseem Educational Zone

1 (A) Choose the correct answer :

1. The of a plant absorb water and nutrients from the soil.

a. roots b. stems c. leaves d. flowers

2. All the following are considered producer organisms, except

a. grass. b. hawks. c. algae. d. trees.

3. Microorganisms needwater to survive.

a. very hot b. cold c. hot d. warm

(B) Write one example of :

A gaseous matter :

2 (A) Cross out the odd word :

Insects – Trees – Algae – Grasses.

(.....)

(B) What happens ...?

1. If all primary consumers disappear from a certain food chain.

.....

2. To the temperature of a matter if the speed of its particles decreases.

.....

3 (A) Correct the underlined word :

Flower of plants produce roots that help the plant to reproduce. (.....)

(B) Give reasons for :

1. Plastic are very harmful to marine organisms.

.....
.....

2. Making fruit salad is considered as a physical change.

.....
.....

8 Giza Governorate

Omrania Educational Zone

1 (A) Choose the correct answer :

1. Grapes tree has stem.

- a. runner b. tuber c. climb d. upright

2. Living organisms that feed on the dead bodies are called

- a. producers. b. decomposers. c. consumers. d. preys.

3. tubes carry water and minerals from roots to leaves.

- a. Phloem b. Xylem c. Arteries d. Veins

(B) Give one example of :

A chemical change :

2 (A) Correct the underlined word :

Any marine food chain starts with a decomposer. (.....)

(B) Give reasons for :

1. Plastic pollution in marine ecosystem is harmful.

.....
.....

2. Ice is a solid matter.

.....
.....

3 (A) What happens when ...?

1. Water of the sea become warm.

.....

2. Increasing temperature of a solid matter.

.....

(B) Cross out the odd word :

Plants – Grasses – Rabbit – Algae. (.....)

.....

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Giza Governorate

Science Inspectorate

1 (A) Correct the underlined words :

1. Veins carry blood rich in oxygen and nutrients. (.....)
2. Coral bleaching means that coral reefs turn completely into green color. (.....)
3. Plants absorb water and nutrients from soil through their leaves. (.....)

(B) Write one example of :

A physical change that occurs to the matter.

.....

2 (A) Choose the correct answer :

All the following from decomposers, except

- a. worms. b. snake. c. bacteria. d. fungi.

(B) Give reasons for :

1. Copper is used in making cooking pans.
-

2. Burdock seeds can stick to the animal fur.
-

3 (A) Cross out the odd word :

Clam – Sea urchin – Zooplankton – Algae. (.....)

(B) What happens if ... ?

1. A piece of cork is put in water.
-

2. Plant's leaves don't contain chlorophyll.
-

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Alexandria Governorate

El-Montazah Educational Zone

1 (A) Choose the correct answer :

1. The process of photosynthesis occurs in of the plants.
a. stem. b. flowers. c. leaves. d. roots.

2. The heart consists of chambers.

- a. three b. four c. five d. two

3. We use the unit to measure the mass of the body.

- a. liter b. kilogram c. meter d. centimeter

(B) Give a reason for :

Trees are considered as producers.

.....

2 (A) Put a sign (✓) or (X) :

Blood moves in the arteries or veins in two directions.

()

(B) Write what the following statement means :

1. It contains living organisms and non-living things.

(.....)

2. The state of water after freezing.

(.....)

3 (A) Complete the following sentences :

1. Sound is considered a form of

2. We use the to measure temperature.

(B) What happens if ...?

The green plant is placed in a dark place for a week.

.....

11**Alexandria Governorate****East Educational Zone****1 (A) Choose the correct answer :**

1. Apple and tomato seeds are dispersed by

a. water. b. eaten by animals. c. wind. d. fur.

2. The living organism that can make its own food is called organism.

a. producer b. consumer c. decomposer d. animal

3. The function of plant root is

a. producing food. b. absorbing water. c. reproduction. d. breathing.

(B) Mention one use of :

Measuring cup :

2 (A) Put (✓) or (X) :

Phloem transports water and salts from the plant root to the stem.

()

(B) Give reasons for :

1. Sea turtle eats a lot of plastic materials.

.....

.....

2. Iron has definite volume and does not take the shape of its container.

.....

.....

3 (A) Complete the following :

The microorganisms are considered in the aquatic food chain.

(B) What happens when ...?

1. Putting a piece of wood and a coin in water.

.....

2. The plant can't absorb carbon dioxide gas from air.
-
-

12**Alexandria Governorate****Science Inspectorate****1 (A) Complete the following sentences :**

1. transports nutrients from roots to the plant's leaves.
2. The primary consumer in the food chain depends on to obtain its food.
3. Coconut seeds are transmitted through

(B) Give a reason for :

Sea water is considered a mixture.

.....

2 (A) Put (✓) or (X) in front of the following statement :

Both humans and plants need energy and carbon dioxide gas from the air. ()

(B) 1. What happens if ...?

A drought occurred and the grass died.

.....

2. Cross out the odd word with the reason :

Wood – Copper – Plastic

- a. The odd word :
- b. The reason :

3 (A) Choose the correct answer :

In plants, the light energy is converted into energy.

- a. electrical b. magnetic c. chemical d. kinetic

(B) Write the scientific term :

1. They carry blood rich in carbon dioxide to the heart. (.....)
2. It is the process by which the particles of matter gain energy and changes from solid state to liquid state. (.....)

13**Sharkia Governorate****East Zagazig Educational Zone****1 (A) Complete the following**

1. Secondary consumers feed on
2. vessels transport water and nutrients from the roots to the leaves.
3. Predators that are found in the top of food chains are called

(B) What happens to ...?

The particles movement when the substance is cooled.

.....

2 (A) Write the scientific term :

Living organisms that recycle nutrients to the soil.

(.....)

(B) Give reasons for :

1. Dandelion seeds can disperse by wind.

.....

2. The roofs of forest homes are made of leaves and sticks.

.....

3 (A) Cross out the odd word :

Mouse – Rabbit – Deer – Lion.

(.....)

(B) What is the importance of ...?

1. Stomata :

2. Thermometer :

14 Menoufia Governorate

Tala Educational Zone

1 (A) Choose the correct answer :

1. Green plants use their to collect sunlight and carbon dioxide from the air.

a. leaves b. roots c. stem d. flowers

2. Which of the following represents a correct food chain ?

a. Hawk → Grass → Bacteria → Rabbit → Snake.

b. Grass → Rabbit → Bacteria → Hawk → Snake.

c. Grass → Rabbit → Snake → Hawk → Bacteria.

d. Bacteria → Hawk → Snake → Rabbit → Grass.

3. A chemical change occurs when you a paper.

a. bend b. cut c. burn d. grind

(B) Give reasons for :

1. A book is a solid matter.

.....

2. Humans need to eat some animals and a plants.

.....

2 (A) Put (✓) or (X) :

1. Roofs of desert homes are made of leaves and sticks. ()

2. Copper is used in making electrical wires as it is a good conductor of heat. ()

3. The measuring unit of mass is gram and kilogram. ()

(B) Compare between :

1.	Point of comparison	Vines	Potato
	Type of stem :		

2.	Point of comparison	Dandelion seeds	Coconut seeds
	Way of seed dispersal:		

3 (A) Complete each of the following :

- The of liquid matter is measured by a measuring cup.
- When a fox feeds on a rabbit, the rabbit is called
- A represents a model of the Earth which shows us its shape.

(B) 1. What is meant by ...?

Freezing :

2. Mention the importance of :

Xylem vessels :

15 Dakahlia Governorate

Science Inspectorate

1 (A) Put (✓) or (X) :

- The first link in any food chain is a consumer. ()
- Plants make their own food by respiration. ()
- In many plants, flowers are responsible for reproduction. ()

(B) Mention :

- The way of separating sand from water mixture.

.....

- The type of change when a paper is burnt.

.....

2 (A) Correct the underlined word :

Veins carry blood rich in oxygen and nutrients. (.....)

(B) 1. Write the scientific term for each of the following :

- The tool used to measure the length of a wall. (.....)
- A gas taken from the air by leaves to help plants make food. (.....)

2. What happens ...?

- If plants leaves don't contain chlorophyll.

.....

- To the size of a balloon when you blow it.

.....

3 (A) Create a food chain from the following organisms :

(Frog – Bacteria – Grass – Insect – Snake)

.....

(B) 1. Complete the following sentences :

- a. We can classify states of matter into solid, and gas.
b. An animal that feeds on another animal is called

2. Give reasons for :

- a. Humans can use helium gas safely.

.....

- b. Sunlight is a basic need of plants.

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Ismailia Governorate

Fayed Educational Zone

1 (A) Choose the correct answer :

1. The blood vessels that carry blood from the heart to all body parts are

- a. veins.
- b. arteries.
- c. veins and arteries.
- d. blood capillaries.

2. Plant takes from the soil to make its own food.

- a. water b. oxygen gas c. sugar d. carbon dioxide gas

3. Coral reefs are considered as

- a. algae. b. producers. c. ecosystem. d. bacteria.

(B) Give a reason for :

Oil takes the shape of the container in which it is placed.

.....

2 (A) Write the scientific term :

The part of plant that carries water and nutrients from roots to leaves.

$$\left(\begin{array}{c} \vdots \\ \vdots \end{array} \right)$$

(B) Mention :

1. The type of stem in grapes.

2. The type of change when iron reacts with water and oxygen.

.....

3 (A) Put (✓) or (X) :

Loss of habitat may lead to the extinction of the organism.

()

(B) 1. Arrange the following organisms in the form of a food chain :

(Insect – Snake – Grass – Hawk)

.....

2. What happens to ...?

The speed of particles of liquid when it changes into solid.

.....

17**Suez Governorate****Science Inspectorate****1 (A) Choose the correct answer :**

- Decomposers always the soil.
a. pollute b. damage c. harm d. benefit
- Sunlight and carbon dioxide gas are collected by plant's to make its own food.
a. roots b. stems c. leaves d. flower
- When there is a gentle rain in a desert ecosystem, this ecosystem may be
a. harmed. b. improved. c. destroyed. d. not changed.

(B) Give a reason for :

Wood is used in making handles of cooking pans.

.....

2 (A) Put (✓) or (X) :

Coral bleaching happens when the temperature of seawater increases. ()

(B) Complete the following sentences :

- Maple seeds can be dispersed by.....
- have no definite shape and no definite volume.

3 (A) Cross out the odd word :

Fungi – Snakes – Millipedes – Bacteria. (.....)

(B) Write the scientific term :

- It is a change in matter without any change in its structure. (.....)
- A type of sugar produced by the plant during photosynthesis process. (.....)

18**Port Said Governorate****Science Inspectorate****1 (A) Choose the correct answer :**

- The absorbs water and salts from the soil.
a. stem b. leave c. root d. flower
- Phloem vessels carry glucose down from to the rest of the plant parts.
a. leaves b. stems c. roots d. seeds
- The human transportation system is called system.
a. digestive b. circulatory c. respiratory d. nervous

(B) Mention the state of each of the following matters :

(Oil – Book – Apple – Water vapor)

Solid	Liquid	Gas
.....		

2 (A) Put (✓) or (X) :

The food chain in the desert environment begins with snakes.

()

(B) Give reasons for :

1. Plants need sunlight.

.....

2. Oxygen has an indefinite shape and volume.

.....

3 (A) Write the scientific term :

The path of energy flow from one organism to another.

(.....)

(B) What happens ...?

1. When a green plant is placed in a dark place for a long period of time.

.....

2. If you put a bottle of water in the freezer.

.....

19**Damietta Governorate****Science Inspectorate****1 (A) Complete the following sentences by using the following words :**

(The Sun – volume – oxygen – carbon dioxide)

1. In photosynthesis process, plants use..... gas and release gas.

2. is the main source of energy for all living organisms on the Earth.

3. Liter is from the measuring units of

(B) Give reasons for :

1. Green plants are considered as producer organisms.

.....

2. Copper is used to make electrical wires.

.....

2 (A) Form a food chain model using these words :

(Bird – Grass – Snake – Hawk – Grasshopper)

.....

(B) Write the scientific term :

1. A part of plant that carries water from roots to leaves. (.....)

2. A process in which coral reefs turn completely into white. (.....)

3. Anything that has mass and takes up space. (.....)

4. The process that is used to remove large materials, such as seaweed and shells from seawater. (.....)

3 (A) Cross out the odd word :

Roots – Stems – Xylem – Phloem – Veins.

(.....)

(B) Give one difference between each of the following :

1. Coconut seed and burdock (burr) seed.

Coconut seeds	Burdock seeds
They disperse by because they can	They disperse by because they have

2. Melting ice and rusting iron.

Melting ice	Rusting iron
It is considered as change because it is a change in	It is considered as change because it is a change in

20 Kafr El-Sheikh Governorate**Science Inspectorate****1 (A) Choose the correct answer :**

- All the following matter doesn't have a definite shape, except
 a. helium. b. water. c. oxygen. d. iron.
- Half liter of water has a mass of
 a. 1 kg. b. 500 grams. c. 1000 grams. d. 500 kg.
- is not considered as a primary consumer in a marine food web.
 a. Zooplankton b. Clam c. Sea star d. Sea urchins

(B) Give a reason for :

Handles of cooking pots are made of plastic.

.....

2 (A) Put (✓) or (X) :

Arteries carry blood rich in oxygen and glucose sugar from all body cells to the heart. ()

(B) Write the scientific term :

- The organisms that return nutrients of dead organisms back to the soil. (.....)
- The gas released from plants through photosynthesis process. (.....)

3 (A) Cross out the odd word :

Melting of wax – Cracking nuts – Rusting of iron – Cutting paper. (.....)

(B) Complete the following sentences :

- When liquid matter is cooled, its particles' speed will
- The occurs when the color of coral reefs turns completely into white.

21**Beheira Governorate****Science Inspectorat****1 (A) Choose the correct answer :**

- The stem in grapes is a stem.
a. tuber. b. runner. c. climb. d. wood.
- The main source of energy on Earth is
a. the Sun. b. plants. c. animals. d. moon.
- Habitat loss may cause of living organisms.
a. increasing b. extinction c. stability d. growing

(B) What is the importance of ...?

Measuring tape :

2 (A) Put (✓) or (X) :

Throwing the human wastes in sea water keeps the environment healthy. ()

(B) Give reasons for :1. Iron is a matter.
.....2. Melting of a candle is a physical change.
.....**3 (A) Write the scientific term :**

Transferring seeds from a place to another. (.....)

(B) What happens if ...?1. The temperature of sea water increases. (According to coral reefs)
.....2. Water transfers from a pot to another. (According to the volume of water)
.....**22****Minia Governorate****Malawi Educational Zone****1 (A) Choose the correct answer :**

- The transports water and minerals from the roots to the leaves of the plant.
a. stem b. stomata c. flowers
- The food chain begins with a
a. consumer. b. producer. c. decomposer.
- Microorganisms need water to survive.
a. moderate b. cold c. warm

(B) Mention the state of each matter from the following :

1. Book :

2. Vinegar :

2 (A) Put (✓) or (X) :

Photosynthesis occurs in the seeds of plants. ()

(B) What happens when ...?

1. Decomposers are absent in an ecosystem.
.....

2. Iron is brought close to a magnet.
.....

3 (A) Complete the following sentence :

Potato has stem that grows under the surface of the soil.

(B) Mention the scientific reasons for :

1. The phenomenon of coral bleaching.
.....

2. Rusting of iron is considered a chemical change.
.....

23**Qena Governorate****Science Inspectorate****1 (A) Choose the correct answer :**

1. The process of transporting seeds from one place to another is called

a. seed germination.

b. transpiration.

c. seed dispersal.

d. photosynthesis.

2. The blood rich in carbon dioxide gas returns to the heart through the

a. arteries.

b. veins.

c. phloem.

d. xylem.

3. organisms increase the soil fertility.

a. Producer

b. Primary consumer

c. Secondary consumer

d. Decomposer

(B) Give reasons for :

1. Helium is used in filling balloons.
.....

2. Trees are considered as producers.
.....

2 (A) Put (✓) or (X) :

Light seeds are spread by wind. ()

(B) Give an example of :

1. Seeds that disperse by wind :

2. Climb stem :

3. Decomposer organisms :

4. Physical change :

3 (A) Write the scientific term :

It is a copy of something to show what it looks like or how it works. (.....)

(B) What happens to ...?

1. A green plant is placed in a dark place for a week.
.....

2. A plant does not have roots.
.....

3. The number of primary consumers if all grasses are removed.
.....

4. The mass of a piece of ice if its temperature increases.
.....

24**Luxor Governorate****Luxor Educational Zone****1 (A) Complete using the following words :****(producers – top predators – stomata)**

1. Narrow holes spread on the surface of plant's leaves that allow gases to come in and out the plant is called

2. Food chain starts with

3. The consumers that exist at the top of any food chain are called

(B) Give a reason for :

Helium is used to fill balloons and blimps.
.....

2 (A) Put (✓) or (X) :

If producers were removed from an ecosystem, the consumers will need to move away. ()

(B) What happens to ...?

1. Coral reefs when the temperature of water increases.
.....

2. A piece of chocolate if it is exposed to sun rays for a period of time.
.....

3 (A) Choose the correct answer :

The sunlight and carbon dioxide gas are collected by plant's to make its own food.

a. roots

b. stems

c. leaves

d. flowers

(B) Write scientific term :

1. The kind of plant's stem in vines. (.....)

2. The state of matter that has definite volume and shape. (.....)

25**Aswan Governorate****Aswan Educational Zone****1 (A) Put (✓) or (X) front of the following sentences :**

1. In the plants, the light energy is converted into chemical energy. ()
2. Ecosystem consists of living organisms only. ()
3. Food chain consists of only consumer organisms. ()

(B) Explain the following :

1. Why air is considered as a matter ?

2. What is meant by melting ?

2 (A) Choose the correct answer :

..... absorb the sunlight that the plant needs to make its food.

- a. Roots b. Leaves c. Xylem and vessels d. Stems

(B) 1. Give reasons for :

- a. Plants are producer organisms.

- b. Glass is used to make electric bulbs.

2. Mention :

- a. The method of spreading of the coconut seeds.

- b. A state of matter that has a fixed volume and a variable shape.

3 (A) Choose the correct answer from the words between brackets :

Loss of the natural habitat may cause of the organisms.
(growth – extinction)

(B) 1. How can the following mixture be separated ?

- a. Water and salt.

- b. Water and sand.

2. Compare between :

Point of comparison	Trunk of trees	Flowers
Type of stem		

3. Classify the following change as a chemical changes or a physical change.

- Burning of wood :

4. What is the function of phloem vessels in the plant ?

Final Examinations of Some Governorates

Cairo Governorate

1 Heliopolis Educational Zone

- 1 (A) 1. filtration – evaporation
2. producer – consumer
3. volume – temperature.
(B) Because in the ecosystem, all species depend on other species to survive, so an increase or decrease in one species affects the population of other species.

2 (A) (✗)

- (B) 1. The speed of particles will increase.
2. The number of producers decreases, while the number of secondary consumers increases.

3 (A) c

- (B) 1.

Points of comparisons	Evaporation	Condensation
Motion of particles:	Becomes faster	Becomes slower
Intermolecular spaces:	Increase	Decrease

2.

Point of comparison	Phloem	Veins
Function:	Transport glucose sugar from the leaves to all other parts of the plant.	Carry blood rich in carbon dioxide from all the body parts to the heart.

2 Dar El Salam Educational Zone

1 (A) 1. a 2. b 3. a

- (B) Because glass is a transparent material.

2 (A) (✗)

- (B) 1. The plants cannot make their own food by photosynthesis process, so there will be no life on Earth.
2. Ice will melt and becomes liquid water.

3 (A) Xylem.

- (B) 1. Grass → Insect → Frog → Snake.
2. Filling balloons.

3 Mokattam Educational Zone

1 (A) 1. (✗) 2. (✓) 3. (✓)

- (B) Because they are light seeds.

2 (A) c

- (B) 1. Producers.
2. Melting process.

3 (A) Grass → Rabbit → Hawk.

- (B) 1. Bacteria
2. Water vapor.

4 Central Cairo Educational Zone

- 1 (A) 1. (✓) 2. (✗) 3. (✓)

(B) It changes from liquid state into gas state.

- 2 (A) d

(B) 1. Carrot → Rabbit → Snake → Bacteria
2. Gas state.

- 3 (A) plant leaves.

(B) 1. Because they can make their own food by photosynthesis process.
2. a. By evaporation.
b. By filtration.

5 New Cairo Educational Zone

- 1 (A) 1. (✗) 2. (✓) 3. (✗)

(B) It is used to measure the length of objects.

- 2 (A) oxygen

(B) 1. Matter. 2. Food web.

- 3 (A) b

(B) 1. Because helium is lighter than air.
2. Because when the water temperature rises, the coral reefs get rid of algae from their tissues and turn completely into white causing coral bleaching.

Giza Governorate

6 6th October Educational Zone

- 1 (A) 1. b 2. c 3. a

(B) chemical

- 2 (A) Veins

(B) 1. Because when the water temperature rises, the coral reefs get rid of algae from their tissues and turn completely into white causing coral bleaching.
2. Because plastic is bad conductor of heat.

- 3 (A) water.

(B) 1. The desert ecosystem may be harmed.
2. The state of water changes from liquid to solid.

7 Oseem Educational Zone

- 1 (A) 1. a 2. b 3. b

(B) Water vapor.

- 2 (A) Insects (all items are producers except insects are consumers).

(B) 1. The number of producers increases, while the number of secondary consumers decreases.
2. The temperature will decrease.

3 (A) seeds.

- (B) 1. Because marine organisms may eat plastics which are toxic and sharp.
2. Because mixing fruits doesn't form a new substance.

8 Omrania Educational Zone

1 (A) 1. c 2. b 3. b

(B) Rusting of iron.

2 (A) producer.

- (B) 1. Because marine organisms may eat plastics which are toxic and sharp.
2. Because it has definite shape and volume.

3 (A) 1. The microorganisms will move away to a cooler water and also fish that feed on microorganisms.

2. Its particles moves faster, and matter changes into liquid state.

(B) Rabbits (all items are producers except rabbits are consumers).

9 Science Inspectorate

1 (A) 1. Arteries
2. white 3. roots

(B) Melting of ice.

2 (A) b

- (B) 1. Because it is good conductor of heat.
2. Because their seeds are spiny seeds.

3 (A) Algae (all items are consumers except algae are producers).

- (B) 1. The piece of cork will float on the surface of water.
2. The plant can't absorb the energy from sunlight, and can't make photosynthesis process.

Alexandria Governorate

10 El-Montazah Educational Zone

1 (A) 1. c 2. b 3. b

(B) Because they can make their own food by photosynthesis process.

2 (A) (✗)

- (B) 1. Ecosystem. 2. Solid.

3 (A) 1. Energy.

2. thermometer

(B) The plant does not grow well.

11 East Educational Zone

1 (A) 1. b 2. a 3. b

(B) Measuring the volume of objects.

2 (A) (✗)

- (B) 1. Because sea turtles cannot differentiate between a jelly fish and plastic.
2. Because it is a solid matter.

3 (A) producers

- (B) 1. The wood will float on the surface of water, while the coin will sink.
2. It can't make its food by photosynthesis process.

12 Science Inspectorate1 (A) 1. The stem 2. producers
3. water

- (B) Because it consists of more than one type of materials.

2 (A) (✗)

- (B) 1. Consumers feed on grass will move away to another place to search for food or they will die.
2. a. Copper.
b. All items are bad heat conductors except copper is a good heat conductor.

3 (A) c

- (B) 1. Veins. 2. Melting

Sharkia Governorate**13 East Zagazig Educational Zone**1 (A) 1. primary consumers.
2. Xylem
3. top predators.

- (B) They become slower.

2 (A) Decomposers

- (B) 1. Because they are light seeds.
2. To protect the forest homes from animals getting inside.

3 (A) Lion (all items are first consumers, except lion is a top predator).

- (B) 1. They allow gases to move into and out of the plant.
2. It is used to measure the temperature of objects.

Menofia Governorate**14 Tala Educational Zone**

1 (A) 1. a 2. c 3. c

- (B) 1. Because it has definite shape and volume.
2. To get energy and nutrients to live and grow.

2 (A) 1. (✗) 2. (✗) 3. (✓)

- (B) 1. Vines : Climb stems
Potato : Tubers
2. Dandelion : By wind
Coconut : By floating on water

- 3** (A) 1. volume
2. prey. 3. globe.
(B) 1. It is a process in which a matter changes from liquid state to solid state.
2. They transport water and nutrients from the plant roots up to its leaves through the stem.

Dakhliya Governorate**15 Science Inspectorate**

- 1** (A) 1. (✗) 2. (✗) 3. (✓)
(B) 1. By filtration.
2. Chemical change.

- 2** (A) Arteries.
(B) 1. a. Tap measure.
b. Carbon dioxide.
2. a. The plant can't absorb the energy from sunlight, and can't make photosynthesis process.
b. It will increase.

- 3** (A) Grass → Insect → Frog
→ Snake → Bacteria.
(B) 1. a. liquid b. predator.
2. a. Because helium is not flammable or poisonous.
b. Because plants use sunlight to make their own food.

Ismailia Governorate**16 Fayad Educational Zone**

- 1** (A) 1. b 2. a 3. c
(B) Because it is a liquid matter.
- 2** (A) The stem.
(B) 1. Climb stems.
2. Chemical change.

- 3** (A) (✓)
(B) 1. Grass → Insect → Snake → Hawk.
2. It will decrease.

Suez Governorate**17 Science Inspectorate**

- 1** (A) 1. d 2. c 3. b
(B) Because it is bad conductor of heat.

- 2** (A) (✓)
(B) 1. wind. 2. Gas matter

- 3** (A) Snakes (all items are decomposers except snakes are consumers).
(B) 1. Physical change.
2. Glucose sugar.

Port Said Governorate

18 Science Inspectorate

- 1 (A) 1. c 2. a 3. b

(B)

Solid	Liquid	Gas
Book – Apple	Oil	Water vapor

- 2 (A) (x)

- (B) 1. To make their own food by photosynthesis process.
2. Because it is a gas matter.

- 3 (A) Food chain.

- (B) 1. Plant's leaves will be yellow and can't make photosynthesis process.
2. Water changes from liquid state into solid state.

Damietta Governorate

19 Science Inspectorate

- 1 (A) 1. carbon dioxide – oxygen
-
2. The Sun
-
3. volume.

- (B) 1. Because they can make their own food by *photosynthesis process*.
2. Because copper is a good conductor of electricity, and can be stretched into a thin flexible wire.

- 2 (A) Grass → Grasshopper → Bird → Snake → Hawk.

- (B) 1. The stem.
2. Coral bleaching.
3. Matter.
4. Filtration

- 3 (A) Veins (all items are parts of the plant transport system, except veins are parts of the human circulatory system).
(B) 1. – Coconut seeds : water – float on water.
– Burdock Seeds : animal fur or human clothes – spines.
2. Melting of ice : physical – shape.
– Rusting iron : chemical – structure

Kafr El-Sheikh Governorate

20 Science Inspectorate

- 1 (A) 1. d 2. b 3. c

- (B) Because plastic is a bad conductor of heat.

- 2 (A) (x)

- (B) 1. Decomposers.
2. Oxygen gas.

- 3 (A) Rusting of iron (all items are examples of physical change except rusting of iron is an example of chemical change).
(B) 1. decrease.
2. coral bleaching

Behira Governorate**21 Science Inspectorate****1** (A) 1. c 2. a 3. b

(B) It is used to measure the length of objects.

2 (A) (✗)

(B) 1. Because it has mass and volume.

2. Because it is a change in its shape without change in its structure.

3 (A) Seed dispersal.

(B) 1. They will get rid of the algae living in their tissues, and turn completely into white causing coral bleaching.

2. It will not change.

Minia Governorate**22 Malawi Educational Zone****1** (A) 1. a 2. b 3. b

(B) 1. Solid. 2. Liquid.

2 (A) (✗)

(B) 1. Dead organisms will not be decomposed, and their nutrients will not return back to the soil.

2. Iron will be attracted to the magnet.

3 (A) tuber

(B) 1. Because when the water temperature rises, the corals reefs get rid of the algae living in their tissues, and turn completely into white.

2. Because it is a change in its structure that produces a new substance.

Qena Governorate**23 Science Inspectorate****1** (A) 1. c 2. b 3. d

(B) 1. Because helium is lighter than air.

2. Because they can make their own food by photosynthesis process.

2 (A) (✓)

(B) 1. Maple seeds

2. Grapes. 3. Bacteria.

4. Ice melting.

3 (A) Model.

(B) 1. Plant's leaves will be yellow and can't make photosynthesis process.

2. Plant will not be fixed in the soil, and plant can't get water and nutrient from the soil.

PART 3

3. Their number will decrease.
4. Its mass will not change.

Luxor Governorate

24 Luxor Educational Zone

- 1 (A) 1. stomata. 2. producers
3. top predators.
- (B) Because helium is lighter than air

- 2 (A) (✓)
- (B) 1. The corals reefs get rid of the algae living in their tissues, and turn completely into white causing coral bleaching.
2. It will melt.

- 3 (A) c
- (B) 1. Climb stems.
2. Solid state.

Aswan Governorate

25 Aswan Educational Zone

- 1 (A) 1. (✓) 2. (✗) 3. (✗)
- (B) 1. Because it has mass and volume.
2. It is a process in which a matter changes from solid state to liquid state.

- 2 (A) b

- (B) 1. a. Because they can make their own food by photosynthesis process.
- b. Because glass is a transparent material.
2. a. By water.
b. Liquid state.

- 3 (A) extinction

- (B) 1. a. By evaporation.
b. By filtration.
- 2.

Point of comparison	Trunk of trees	Flowers
Type of stem :	Wood stem	Upright stem

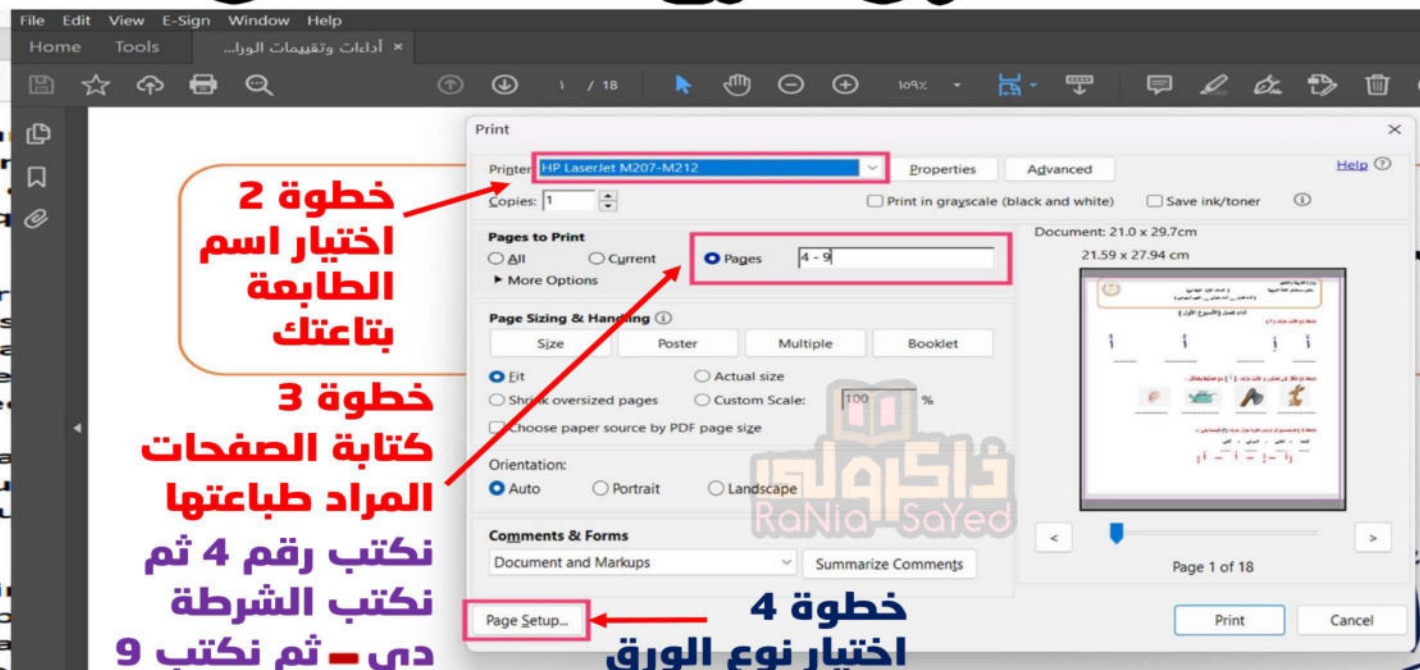
3. Chemical change.
4. They transport glucose sugar from the leaves to all other parts of the plant.

كيفية طباعة صفحات معينة من ملف معين

مثلا ازاي نطبع الصفحات من صفحة 4 الى صفحة 9



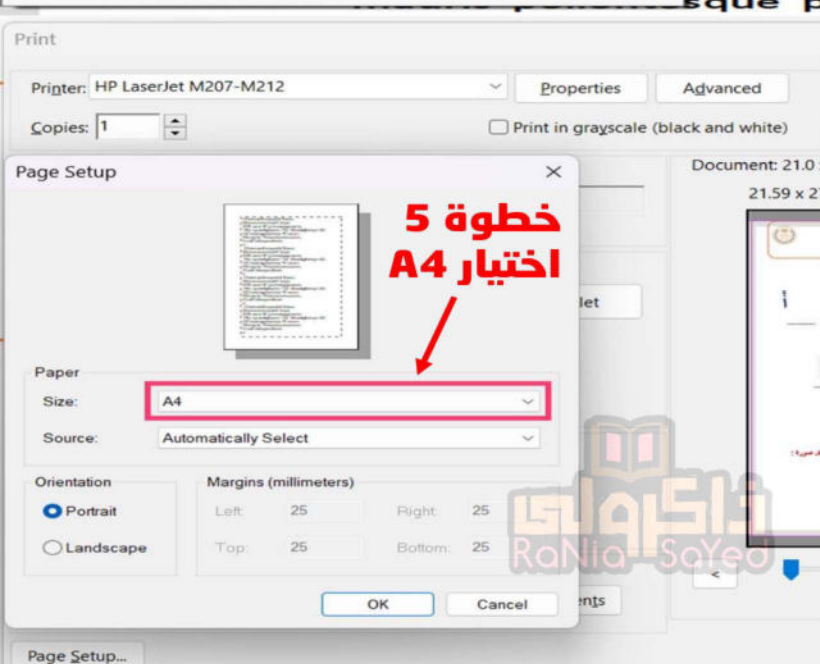
خطوة 1



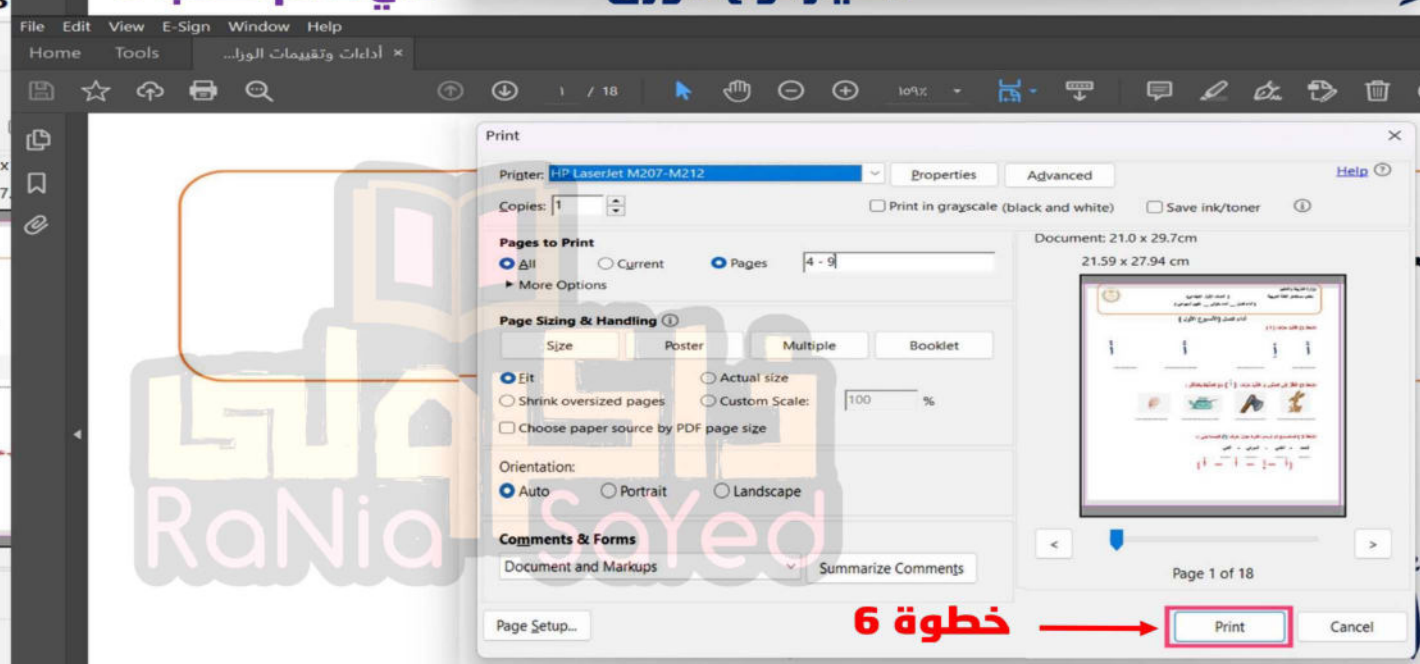
خطوة 2
اختيار اسم
الطابعة
بتاعتك

خطوة 3
كتابة الصفحات
المراد طباعتها
نكتب رقم 4 ثم
نكتب الشرطة
دي - ثم نكتب 9

خطوة 4
اختيار نوع الورق



خطوة 5
اختيار A4



خطوة 6

حمل الآن

مجاناً وحصرياً

امتحانات رقم (2)

الترم الاول



PONY Final Exams

Model Exam 1

1 (A) Cross out the odd word:

- Heart – Blood capillaries – Arteries – Veins (.....)

(B) Write the scientific term:

1. It is a measure of how quickly the particles in a matter are moving. (.....)
2. They are the organisms that carry out the decomposition process by breaking down the dead organisms. (.....)
3. It is a copy that is similar to a real thing. (.....)
4. The process of returning a habitat back to its natural state before harm was done. (.....)

2 (A) Put (✓) or (X):

- Grasses and worms can get their energy directly from the sun. ()

(B) Complete the following sentences:

1. The of an amount of oil can be measured by using a scale, while its can be measured by a measuring cup.
2. Cooking pots are made of because it is good conductor of
3. Mud can be separated from water by process.
4. The suitable habitat for microorganisms to survive is water.

3 (A) Choose the correct answer:

- The change that occurs during the rusting of iron is the same change produced from
 (a) cutting a piece of cloth (b) breaking of glass
 (c) making bread (d) melting of ice
- The of plants absorb water and nutrients from the soil.
 (a) roots (b) stems (c) leaves (d) flowers

(B) Give a reason for:

- Hawks depend on plants to get energy.

- The roof of a desert home is made of strong stones.

- Coral bleaching occurs when the seawater temperature rises.

4 (A) Choose from column (A) what suits it in column (B):

Column (A)	Column (B)
1. Oxygen	(a) has a definite shape and no definite volume.
2. Gasoline	(b) takes the shape and volume of a container.
	(c) takes only the shape of a container.

1. 2.

(B) What happens if:

- We put a cup of water in the freezer?

- The climate change is unsuitable for a population of one type of species?

(C) Mention the type of stem and leaves of pine tree.

Model Exam 2

1 (A) Put (✓) or (X):

- Mass is measure of the amount of matter that is measured in grams. ()

(B) What happens to:

1. The motion of water particles if an amount of water is heated?
.....

2. The number of secondary consumers, if the number of primary consumers decreases in a certain ecosystem?
.....

3. The mass and structure of salt when it is mixed with some flour?
.....

4. The shape of a liquid, on transferring it in another container with a different shape?
.....

2 (A) Cross out the odd word:

- Milk – Wood – Oil – Water (.....)

(B) Mention example of each of the following:

1. A gaseous mixture.
.....

2. A decomposer.
.....

(C) Give a reason for:

1. The circulatory system has an important role for human.
.....

2. Salt is a matter.
.....

3 (A) Study the following food chain, then complete the following sentences:



1. can be a prey and a predator in the same time.
2. Energy directly transfers from the to the mouse.

(B) Write the scientific term:

1. It is the matter that is formed when two or more materials combine chemically. (.....)
2. They are the reproductive parts of many plants. (.....)
3. It is the state of matter that has fixed size and shape. (.....)

4 (A) Choose the correct answer:

1. The marine food web usually starts with
 (a) clam (b) zooplankton
 (c) parrotfish (d) algae
2. Plants make their food by a process known as
 (a) respiration (b) absorption
 (c) photosynthesis (d) digestion

(B) Complete each of the following:

1. When ice is melted, it changes from a state to a state.
2. When corals the seawater, they may ingest
3. is used in making hammers because it is

Model Exam 3

1 (A) Choose the correct answer:

- Matter can be found in states.

(a) two (b) three (c) four (d) seven

(B) Complete the following sentences:

- Food materials are transported from the leaves to the other parts of the plant through vessels.
- When there is a gentle rain in a desert ecosystem, this ecosystem may
- A model of a germ helps us see its shape without using a
- The volume of one liter of water has a of one kilogram.

2 (A) Form a food chain by using the living organism below:

- Coral – Zooplankton – Shark – Algae – Parrotfish
-

(B) Give a reason for:

- Liquids take the shape of their containers.
-
-

- Decomposers play an important role in the ecosystem.
-
-

(C) What happens if:

- Plants' leaves don't contain chlorophyll?
-

- You put a piece of cork and an iron nail in a basin of water?
-

3 (A) Put (✓) or (X):

1. A food web shows an interaction between few living organisms. ()
2. Iron rusts when it combines with hydrogen. ()

(B) Write one importance for each of the following:

1. Root hairs.

.....

.....

2. Thermometer.

.....

.....

3. Helium.

.....

.....

4 (A) Cross out the odd word:

1. Rabbits – Snakes – Eagles – Hawks (.....)
2. Roots – Leaves – Stems – Veins (.....)

(B) Write the scientific term:

- A community that includes living organisms and non-living things that interact with each other. (.....)

(C) Write the type of the change in each of the following pictures:



Model Exam 4

1 (A) Put (✓) or (X):

- Light and sound are forms of matter. ()

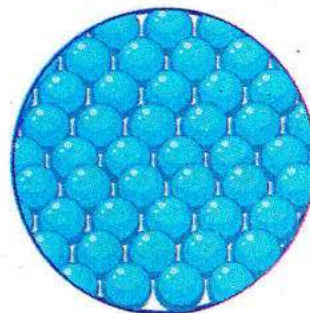
(B) Give a reason for:

1. Plastic is very harmful to marine organisms.

2. Life on Earth without plants would be impossible.

(C) Study the opposite figure, then complete the following sentences:

1. This figure represents the matter in the state which has shape and volume.
2. When this matter is heated, the spaces between its particles, so the matter changes into a state.



2 (A) Form a food chain from the following organisms:

- Frog – Grass – Locust – Snake – Owl

(B) Compare between:

P.O.C	Evaporation process	Condensation process
Definition		

(C) What happens when:

1. Oxygen combines with carbon and hydrogen?

2. We remove the flowers of a plant?

3 (A) Cross out the odd word:

1. Water – Sunlight – Oxygen – Carbon dioxide (.....)
2. Milliliter– Liter – Cubic centimeter – Kilogram (.....)

(B) Write the scientific term:

1. The material that is used to build the roof of cold weather homes. (.....)
2. It is a condition in which coral reefs turn completely into white. (.....)
3. A model that shows a linear set of feeding relationships and energy flow between living organisms. (.....)

4 (A) Choose the correct answer:

1. is the main source of energy for all living organisms.
 (a) Food (b) Plant (c) Water (d) The sun
2. The state of matter changes by changing its
 (a) size (b) mass (c) temperature (d) color

(B) Mention one example of each of the following:

1. A mixture of solid materials.

2. A seed can be dispersed by floating on water.

3. A nonflammable gas.

Model Exam 5

1 (A) Choose the correct answer:

- carry blood rich in oxygen and nutrients from the heart to all the body cells.

(a) Veins (b) Arteries (c) Xylem (d) Phloem

(B) Complete the following sentences:

1. During photosynthesis process, the light energy from the sun is converted into energy stored in which is a type of sugar.
2. Digestion of food within the body's cells is a change, while melting a piece of butter is a change.
3. Wind plays a role in the dispersal of seeds.
4. build their nests on the top of mountains' cliffs.

2 (A) Cross out the odd word:

- Iron – Plastic – Cork – Stone

(.....)

(B) Write the scientific term:

1. The process of removing salt from salty water.
2. The most diverse and variable ecosystems on Earth.

(.....)

(.....)

(C) Mention one importance of each of the following:

1. Balance.

.....

2. Measuring cup.

.....

3 (A) Put (✓) or (X):

1. If the masses of two different materials are equal, their volumes must be equal. ()
2. Seaweed, shells, and fish can be removed from ocean's water by filtration process. ()

(B) Give a reason for:

1. Particles of gases can spread out quickly to fill up any container they are put in.
.....
.....
2. The atmosphere is considered as a mixture.
.....
.....
3. The roof of a tropical rainforest home is made of leaves and sticks.
.....
.....

4 (A) Choose from column (A) what suits it in column (B):

Column (A)	Column (B)
1. Oxygen	(a) its particles are packed tightly together.
2. Gold	(b) is the gas produced from photosynthesis process.
	(c) is the gas used in photosynthesis process.

1. 2.

(B) What happens to:

1. The particles of water when its temperature is decreased below 0.°C?
.....
2. Microorganisms if the temperature of seawater rises?
.....
3. A wet iron nail is exposed to oxygen of air for a long period of time?
.....

Model Exam 6

1 (A) Cross out the odd word:

- Copper – Iron – Aluminum – Gasoline

(.....)

(B) Give a reason for:

1. Although water vapor is invisible, we can see steam during cooking.

.....

2. Cracking nuts is considered as a physical change.

.....

(C) Write the scientific term:

1. They are pores on the surface of the plants' leaves that allow gases move in and out the plant.

(.....)

2. The building units of matter.

(.....)

2 (A) Form a food chain from the following organisms:

- Seabirds – Microorganisms – Bacteria – Small fish

.....

.....

(B) Compare between:

P.O.C	Producers	Consumers
Definition		

(C) Mention one example of each of the following:

1. A top predator in a marine ecosystem.

.....

2. A plant that has a climb stem.

.....

3 (A) Observe the opposite figures, then put (✓) or (X):

1. The particles in figure ① move slower than the particles in figure ②. ()
2. The particles in figure ② can slide over each other. ()

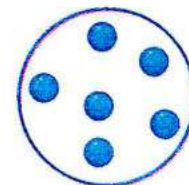


Figure (1)

Figure (2)

(B) What happens if:

1. Plastic products are exposed to sunlight?

.....

.....

2. You add vinegar to baking soda?

.....

.....

(C) What's meant by:

- Melting process?

.....

.....

4 (A) Choose the correct answer:

1. Photosynthesis process take place inside plants'
 (a) leaves (b) stems (c) roots (d) flowers
2. If the amount of grass in an ecosystem increases, this directly causes the increase in the number of
 (a) hawks (b) rabbits (c) caracals (d) lions

(B) Complete the following sentences:

1. The odor of vinegar is one of its properties, while the ability of a paper to be burned is a property.
2. One kilogram = gram(s).
3. Habitat loss is the main cause of of many living organisms.

Model Exam 7

1 (A) Choose the correct answer:

- Particles of have large spaces and large amount of energy.

(a) gold

(b) water

(c) iron

(d) helium

(B) Complete the following sentences:

1. anchor the plant in the soil.
2. seeds and maple seeds travel by

(C) Complete the following diagram:



2 (A) Cross out the odd word:

- Fungi – Millipedes – Algae – Worms

(.....)

(B) Write the scientific term:

1. The interaction among many food chains.
2. The tool used to measure the length of a wall.

(.....)

(.....)

(C) Mention the suitable materials used to make the following items:



3 (A) Put (✓) or (X):

1. Squeezing a balloon filled with air is considered as a chemical change. ()
2. Desalination is the process of removing salt from water by cooling only. ()

(B) Give a reason for:

1. Rabbits are considered as primary consumers.

.....

.....

2. Xylem is considered as a one-way vessel.

.....

.....

3. Making bread is considered as a chemical change.

.....

.....

4 (A) Choose from column (A) what suits it in column (B):

Column (A)	Column (B)
1. Sea urchin	Ⓐ is a top predator in a desert food web.
2. Eagle	Ⓑ feed on corals in a marine food web.
	Ⓒ is a primary consumer in a marine food web.

1. 2.

(B) What happens to:

1. The volume and shape of a coin when it is placed in a glass cup?

.....

.....

2. The temperature of matter, if the speed of its particles decreases?

.....

.....

3. Primary consumers, if all grass disappear from a certain ecosystem?

.....

.....

Model Exam 8

1 (A) Cross out the odd word:

- Burning of sugar – Making cake – Melting of wax – Rusting of iron

(.....)

(B) Give a reason for:

- Food is very important for human.

.....

- Burdock seeds can be dispersed by sticking to animals' fur or humans' clothes.

.....

(C) Write the scientific term:

- It is anything that has a mass and takes up space. (.....)

- An area in the sea where scientists take care of small pieces of coral until they grow up. (.....)

2 (A) Form a food chain from the following organisms:

- Starfish – Clam – Shark – Algae

.....

(B) Compare between:

P.O.C	Solid state	Gas state
Motion of particles		
Arrangement of particles		

3 (A) Choose the correct answer:

1. can live on decaying the bodies of dead organisms.
 (a) Decomposers (b) Consumers (c) Predators (d) Producers
2. can be used to measure the length of a pencil.
 (a) Measuring cup (b) Ruler
 (c) Scale (d) Thermometer

(B) Complete the following sentences:

1. consumers are called herbivores.
2. isn't from the basic needs for the plant during its initial growth.
3. Matter consists of tiny moving
4. The small vessels that connect arteries to veins are called

4 (A) Correct the underlined words:

1. Coral bleaching happens when the temperature of seawater decreases.
 (.....)
2. Most flowers have wood stems.
 (.....)

(B) What happens to:

1. The volume of a balloon if you blow it up?

.....

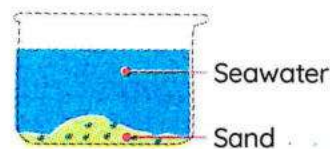
.....

2. A hawk that lives in an ecosystem that contains plants only?

.....

.....

- (C) How can you separate sand only from the mixture in the opposite picture, with giving a reason for your reason?**



.....

.....

.....

Model Exam 9

1 (A) Choose the correct answer:

- Oil takes the of its container.

(a) volume (b) mass (c) color (d) shape

(B) Complete the following sentences:

- Salt can be separated from salt solution by process.
- Potato has a stem extends underground.
- carry blood rich in carbon dioxide from all body parts to the
- The model of the helps us to see all planets at once, while is a model that allows us to see the shape of Earth.

2 (A) Classify the following organisms into producers and consumers:

- Seabirds.

.....

- Grasses.

.....

(B) Give a reason for:

- Balloons and blimps are filled with helium.

.....

- Human can't drink the water of seas and oceans.

.....

- Electric wires are made of copper.

.....

(C) Mention one importance of each of the following:

- Electron microscope.

.....

.....

3 (A) Correct the underlined words:

1. When adding oil to baking soda, a new compound is formed. (.....)
2. Sea turtle can't differentiate between algae and a piece of plastic.
(.....)

(B) What happens if:

1. Decomposers disappear from a certain ecosystem?

.....
.....

2. A piece of paper is burned?

.....
.....

3. Iodine is added to cornstarch?

.....
.....

4 (A) Cross out the odd word:

1. Insects – Snakes – Eagles – Owls (.....)
2. Boiling water – Melting chocolate – Frying an egg – Cutting vegetables
(.....)

(B) Write the scientific term:

1. It is the process which matter changes from a liquid state to a solid state.
(.....)
2. They are small plastic pieces that are smaller than a grain of rice.
(.....)
3. A transparent material used in making eyeglasses and light bulbs.
(.....)

Model Exam 10

1 (A) Cross out the odd word:

- Clam – Zooplankton – Algae – Sea urchin

(.....)

(B) Give a reason for:

1. Formation of water droplets when water vapor touches a cold surface.

.....

2. The handles of cooking pots are made of plastic or wood.

.....

3. When the temperature of ice cubes increases, they melt.

.....

4. Human can use helium safely.

.....

2 (A) Choose the correct answer:

- Particles of vibrate around their place.

(a) iron

(b) air

(c) oxygen

(d) water

(B) Complete the following sentences:

1. Sunlight energy allows and gas to combine inside plants' leaves to make plant's food.

2. The consumers that exist at the top of food chains are called

3. The changes in matter which are usually reversible and don't affect its structure are called changes.

4. The process of producing a new plant is known as

3 (A) Choose from column (A) what suits it in column (B):

Column (A)	Column (B)
1. Prey	Ⓐ is a human activity that decrease the population of marine organisms.
2. Overfishing	Ⓑ is a consumer that is eaten by another animal.
	Ⓒ is an animal that hunts another animal.

1. 2.

(B) Write the scientific term:

- The process in which a plant seed begins to grow and makes sprouts. (.....)
- A device used to examine one tiny particle as one blood cell. (.....)
- The gas consumed by producers to make their own food. (.....)

4 (A) Put (✓) or (X):

- A model of an airplane shows us how it flies up into the air. ()
- Both liquids and gases take the shape of the container they are placed in. ()

(B) What happens if:

- You put a magnet near an iron nail and a stone?
.....
- You boiled an amount of water? (According to the change in the state)
.....

(C) Write below the seeds in each picture their way of dispersal:



Government Exams

Model 1 Cairo – New Cairo Directorate

1 (A) Put (✓) or (x) on the following statement:

1. Roots absorb water and nutrients from the soil. ()
2. The food chain begins with consumers. ()
3. The number of living organisms decreases if climatic conditions are not suitable. ()

(B) What is importance of a measuring cup?

.....
.....
.....

2 (A) Complete the following sentence:

- The gas is important to make photosynthesis process.

(B) Write the scientific term:

1. Changing of matter from solid state to liquid state. (.....)
2. The path of energy flow from one organism to another. (.....)

3 (A) Choose the correct answer:

- Glucose sugar is transported within the plant through vessels.
(a) xylem (b) phloem (c) veins (d) arteries

(B) Give a reason for:

1. Copper is used to make electric wires.

.....
.....

2. The occurrence of coral bleaching.

.....
.....

Model 2 Giza – 6th October Directorate

1 (A) Cross the odd word:

- Eagle – Hawk – Lion – Rabbit

(.....)

(B) Give a reason for:

1. Oil is a matter.

.....
.....

2. Sunlight is very important for all living organisms.

.....
.....

2 (A) Correct the underlined word:

- Veins carry blood rich in oxygen and nutrients to all body cells. (.....)

(B) What happen if:

1. You heat some ice cubes?

.....
.....

2. The plant is placed in a dark place for many days?

.....
.....

3 (A) Choose the correct answer:

1. Any food chain starts with

(a) insects (b) plants (c) bacteria (d) fungi

2. seeds stick to animal fur.

(a) Maple (b) Burdock (c) Tomato (d) Coconut

3. The of plant get(s) water and nutrients from the soil.

(a) root (b) stem (c) leaves (d) flower

(B) Give one example:

- A gas that is used in filling balloons.

(.....)

Model 3 Qalyubia – Banha Directorate

1 (A) Choose the correct answer:

- The plant makes through the process of photosynthesis.
 (a) sugar (b) nitrogen (c) seeds (d) carbon dioxide
- According to the way of feeding, living organisms are classified into groups.
 (a) two (b) three (c) four (d) five
- Algae are found in the of the marine food chain.
 (a) beginning (b) middle (c) end (d) right

(B) Write the scientific term:

- The state of matter in which particles have a lot of spaces. (.....)

2 (A) Correct underlined word:

- The potato plants have climb stem that extends underground. (.....)

(B) Give a reason for:

- Bacteria are considered decomposers.
-

(C) What happen if:

- A paper interacts (is burnt) with fire?
-

3 (A) Put (✓) or (x) on the following statement:

- Coral bleaching happen when the temperature of water rises in the oceans. ()

(B) Mention of the following:

- The way of seed dispersal for burdock seeds.
-

- One use of helium.
-

Model 4 Alexandria – East Directorate

1 (A) Choose the correct answer:

- The living organisms that can make its own food is called
organisms.
 (a) producers (b) consumers (c) decomposers (d) animals
- One of the plant root functions is
 (a) produce food (b) absorbing (c) reproduction (d) breathing
- Both apple and tomato seeds are dispersed by
 (a) wind (b) eaten by animal
 (c) water (d) fur

(B) Mention one use:

- Measuring cup.

2 (A) Complete the followings:

- The microorganisms are considered in the aquatic food chain.

(B) Give a reason for:

- Sea turtle eats a lot of plastic materials.
.....
- Iron has definite volume and doesn't take the shape of its container.
.....

3 (A) Put (✓) or (X) on the following statement:

- Phloem transports water and salts from the plant root to the stem. ()

(B) What happen when:

- The plant can't absorbs carbon dioxide from air?
.....
- Putting a piece of wood and coin in water?
.....

Model 5 Dakahlia – Educational Directorate

1 (A) Choose the correct Answer:

- In plants leaves, light energy of the sun change into energy.
 (a) sound (b) electric (c) chemical (d) kinetic
- Lion is from.....
 (a) producers (b) grass eaters (c) meat eaters (d) decomposers
- carry blood that is rich in oxygen from the heart to the body cells.
 (a) Cells (b) Veins (c) Arteries (d) Lungs and Veins

(B) Give a reason for:

- Rusting of iron is considered a chemical property of matter.
- Copper is used in making electric wires.

2 (A) Correct the underlined word:

- In photosynthesis green plant uses their leaves to collect oxygen gas from air.
 (.....)

(B) Answer the following:

- Create a food chain from the following organisms:
 Rabbit – Carrot – Snake – Bacteria – Hawk
- Compare between mixture and compound.
- What do plants need to live and grow?
- Give one importance of coral reefs.

3 (A) Write the scientific term:

- They are narrow holes spread on the surface plant's leaves that allow gases to move into and out of the plant.
 (.....)

(B) Answer the following:

- Classify the following organisms into producer and consumers:
 Snake – Green plant – Bacteria – Algae – Trees – Rabbit
- Complete the table:
 - If there is a heavy rain in the desert, the desert ecosystem might because
- Compare between solid state and gaseous state according to their shape and volume.
- Give two examples for Physical change.

Model 6 Damietta – Educational Directorate

1 (A) Choose the correct Answer:

- All the following structures exist in green plants, except
 (a) stems (b) fruits (c) blood (d) leaves
- The in a plant support the plant and are responsible for the transmission of nutrients. inside the plant.
 (a) Leaves (b) stem (c) roots (d) flowers
- The human circulatory system includes all the following structures, except
 (a) heart (b) vein (c) artery (d) lungs
- When a rabbit dies in the desert, its body
 (a) Grows (b) stays (c) freezes (d) decomposes

(B) What happens if:

- A plant isn't exposed to sunlight for a few days?

2 (A) Put (✓) or (x) on the following statements:

- Xylem allows nutrients to move upward inside the plant. ()
- Veins carry the blood rich in oxygen from the heart to all the body cells. ()
- Glucose is produced in plants by the digestion process. ()
- Tundra deserts have nonliving things only. ()

3 (A) Classify the following words in these tables:

- Xylem – Veins – Phloem – Artery – Roots – Heart

Human circulatory system	plant transport system

(B) Cross out the odd word:

- Goats – Rabbits – Caracals – Cows ()
- Foxes – Lions – Bull sharks – Rabbits ()

Model 7 Menoufia – Ashmoon Directorate

1 (A) Complete the following:

1. The stems that grow horizontally on the surface of the soil and help in the formation of new plants are stems.
2. Energy is transferred from to plants directly in the food web.
3. Coral reefs lose their colors when the which they live in it migrate.
4. The transport water and nutrients from the soil to the leaf while carrying blood from all parts of the body to the heart.

(B) Give a reason for:

- Cooking utensil handles are made of plastic.
-

2 (A) Choose the correct answer:

- Deer that eats grass are consumers that are located at level in the food chain.
- (a) first (b) second (c) third (d) last

(B) What happens:

1. When a piece of ice is placed in the sun for long period of time?
.....
2. If the roots disappeared from the plants?
.....

3 (A) Put (✓) or (x) on the following statements:

1. The xylem vessels in the roots connect the stem to the leaves. ()
2. Water, air and plants are considered non-living elements in the ecosystem. ()

(B) Mention of the following:

1. The type of mixture in fruit salad.
.....
2. Method of spreading light seeds.
.....
3. One example of plants with tuber stems that grow under the ground.
.....

Model 8 Menoufia – Shebin El-Kom Directorate

1 (A) Put (✓) or (x) on the following statements:

1. The process of photosynthesis occurs in the roots of the plant. ()
2. Light seeds are dispersed by the wind. ()
3. The food chain starts with a consumer. ()

(B) What happens when:

- Iron reacts with atmospheric oxygen?

.....

2 (A) Complete with a suitable word from what is between brackets:

- Plant leaves contain that allow air to enter through there.
 (stomata – vessels)

(B) Give a reason for:

1. Sound and light are not matter.

.....

2. The presence of root hairs in the root of the plant.

.....

3 (A) Choose the correct answer from between brackets:

- Living organisms and non-living elements are components of
 (food chain – ecosystem – photosynthesis process – food web)

(B) Compare between the following in the table:

1. Burning paper and cutting paper in terms of the type of change.

.....

2. Bacteria and algae in terms of the way of feeding in the food chain.

.....

Model 2 Port Said – Port Fouad Directorate

1 (A) Complete the following sentences:

1. Sound is considered a form of
2. We use to measure temperature.

(B) What happens if:

- The green plant is placed in a dark place for a week?

.....

2 (A) Choose the correct answer:

1. The process of photosynthesis occurs in
 (a) stem (b) flowers (c) leaves (d) roots
2. The heart consists of chambers.
 (a) three (b) four (c) five (d) two
3. We use the unit to measure the mass of the body.
 (a) liter (b) kilogram (c) meter (d) centimeter

(B) Give a reason for:

- Trees are considered as producers.

.....

3 (A) Put (✓) or (X) on the following statement:

- Blood moves in the arteries and veins in two directions. ()

(B) Write what the following statement means:

1. it consists of living organisms and non-living things. (.....)
2. The state of water after freezing. (.....)

Model 10 Kafr El-Sheikh – Educational Directorate

1 (A) Choose the correct answer:

- Half liter of water equals the mass of it.
 (a) 500kg (b) 500 grams (c) 1000 grams (d) 1 kg
- is not considered as a primary consumer in a marine food web.
 (a) Calm (b) Sea urchin (c) Zooplankton (d) Sea star
- All the following matter doesn't have a definite shape, except
 (a) helium (b) oxygen (c) iron (d) water

(B) Give a reason for:

- Handles of cooking pots are made of plastic.
-
-

2 (A) Put (✓) or (X) on the following statement:

- Arteries carry blood rich in oxygen and glucose sugar from all body cells to the heart. ()

(B) Write the scientific term:

- The organisms that return nutrients of dead organisms back to the soil.
 (.....)
- The gas released from plants through photosynthesis process.
 (.....)

3 (A) Cross out the odd word:

- Rusting of iron – Melting of wax – Cracking nuts – Cutting paper
 (.....)

(B) Complete the following sentences:

- When liquid matter is cooled, its particles' speed
- The occurs when the color of coral reefs turns completely into white.

PONY Final Exams Model Answers

Model Exam 1

- Q1 (A)** • Heart
(B) 1 Temperature. 2 Decomposers.
 3 Model.
 4 Habitat restoration.
- Q2 (A)** • X
(B) 1 mass – volume 2 copper – heat
 3 filtration 4 cold
- Q3 (A)** 1 c 2 a
(B) 1 Because hawks eat animals that eat plants.
 2 To protect it from dust and dirt.
 3 Because the coral reefs get rid of algae living in their tissues.
- Q4 (A)** 1 b 2 c
(B) 1 Water changes from liquid state into solid state (ice)
 2 The population of this species decreases.
(C) Pine tree narrow leaves and a wood stem.

Model Exam 2

- Q1 (A)** • ✓
(B) 1 Water particles move, vibrate and spin faster and spread out from each other.
 2 It decreases.
 3 Mass and structure of salt does not change.
 4 The liquid takes the shape of the container.
- Q2 (A)** • Wood
(B) 1 Atmosphere. 2 Fungi. (Bacteria.)
(C) 1 Because it transports oxygen and nutrients through the blood to all the body parts.
 2 Because it has a mass and volume.

- Q3 (A)** 1 Snake 2 grass
(B) 1 Compound. 2 Flowers.
 3 Solid state.
- Q4 (A)** 1 d 2 c
(B) 1 solid – liquid
 2 filter – microplastics
 3 Steel – hard and strong

Model Exam 3

- Q1 (A)** • b
(B) 1 phloem 2 improve
 3 microscope 4 mass
- Q2 (A)** • Algae → Zooplankton → Coral
 → Parrotfish → Shark.
(B) 1 Because particles of liquids slide over each other, so liquids have no definite shape.
 2 Because they recycle nutrients back to the ecosystem by decaying the dead organisms.
(C) 1 The plant can't absorb sunlight needed to make its own food during photosynthesis process.
 2 The piece of cork floats on the water surface, while the iron nail will sink in it.
- Q3 (A)** 1 X 2 X
(B) 1 They increase the amount of water and nutrients absorbed from soil.
 2 It is used to measure the temperature of a substance.
 3 It is used to fill balloons and blimps.
- Q4 (A)** 1 Rabbit. 2 Veins
(B) Ecosystem.
(C) 1 Chemical change.
 2 Physical change.

Model Exam 4

Q1 (A) • x

- (B) 1 Because it is sharp and toxic.
2 Because plants produce oxygen gas needed for breathing of humans and animals during photosynthesis process.

- (C) 1 solid – definite
2 increase – liquid

Q2 (A) • Grass → Locust → Frog → Snake
→ Owl

(B)

	Evaporation process	Condensation process
Definition	It is the process in which matter changes from a liquid state to a gas state.	It is the process in which matter changes from a gas state to a liquid state.

- (C) 1 Heat is produced that starts a fire.
2 The plant can't reproduce.

Q3 (A) 1 Oxygen 2 Kilogram
(B) 1 Ceramic tiles. 2 Coral bleaching.

3 Food chain.

Q4 (A) 1 d 2 c

- (B) 1 Fruit salad or nuts mixture.
2 Coconut seed. 3 Helium.

Model Exam 5

Q1 (A) • b

- (B) 1 chemical – glucose
2 chemical – physical
3 light – 4 Seabirds

Q2 (A) • Iron

- (B) 1 Desalination process.
2 Coral reefs.
(C) 1 It is used to measure the mass of a substance.

- 2 It is used to measure the volume of a liquid substance.

Q3 (A) 1 x 2 ✓

- (B) 1 Because the particles of gases are not held together.
2 Because it consists of group of gases that aren't combined chemically.
3 To prevent animals from getting inside it.

Q4 (A) 1 b 2 a

- (B) 1 The particles lose thermal energy, so they move slower and get closer.
2 They move to another cooler place.
3 The iron nail rusts.

Model Exam 6

Q1 (A) • Gasoline

- (B) 1 Because when water vapor hits cooler air it condenses into tiny water droplets forming visible small white clouds known as steam.
2 Because it is a change only in the size of nuts without any change in their structure.

(C) 1 Stomata. 2 Particles.

Q2 (A) • Microorganisms → Small fish → Seabirds
→ Bacteria.

(B)

P.O.C	Producers	Consumers
Definition	They are organisms that can make their own food through photosynthesis process.	They are organisms that eat other organisms to get their energy.

- (C) 1 Shark. 2 Vine.

- Q3** (A) 1 x 2 ✓
 (B) 1 They are broken down into smaller pieces called microplastics.
 2 Gas bubbles are produced.
 (C) • It is the process in which matter changes from a solid state to a liquid state.

- Q4** (A) 1 a 2 b
 (B) 1 physical – chemical
 2 1000 3 extinction

Model Exam 7

- Q1** (A) • d
 (B) 1 Roots
 2 Dandelion – wind
 (C) 1 Condensation 2 Freezing

- Q2** (A) • Algae
 (B) 1 Food web. 2 Measuring tape.
 (C) 1 Steel 2 Rubber

- Q3** (A) 1 x 2 x
 (B) 1 Because they feed on producers to get their energy.
 2 Because it transports water and nutrients from plant's roots to its leaves.
 3 Because the bread taste doesn't look like its ingredients as a new substance is formed.

- Q4** (A) 1 c 2 a
 (B) 1 The volume and shape of the coin don't change.
 2 The temperature of matter decreases.
 3 They move to another ecosystem to search for food or they die.

Model Exam 8

- Q1** (A) • Melting of wax
 (B) 1 Because food provides human with needed energy to all daily activities.

- 2 Because burdock seeds have spines that help them to stick to animals' fur or human's clothes.

- (C) 1 Matter. 2 Nursery.

- Q2** (A) • Algae → Clam → Starfish → Shark.

(B)

P.O.C	Solid state	Gas state
Motion of particles	They move a little bit.	They move very freely in all directions.
Arrangement of particles	They have an organized arrangement in a regular pattern.	They are not organized at all, and have a random arrangement.

- Q3** (A) 1 a 2 b
 (B) 1 Primary. 2 Soil.
 3 particles. 4 blood capillaries.

- Q4** (A) 1 increases 2 upright
 (B) 1 The volume of the balloon increases.
 2 The hawk moves to another ecosystem to search for food, or it dies.
 (C) By filtration process, because sand doesn't dissolve in water.

Model Exam 9

- Q1** (A) • d
 (B) 1 evaporation 2 tuber
 3 Veins – heart
 4 solar system – globe

- Q2** (A) 1 Consumers. 2 Producers.
 (B) 1 Because helium is lighter than air, so they rise up into the air.
 2 Because drinking seawater makes human dehydrate (lose water faster).
 3 Because copper is a good conductor of electricity.

(C) • It is used to examine one tiny particle that can't be seen by the naked eye such as a red blood cell.

Q3 (A) 1 vinegar 2 jellyfish

(B) 1 Nutrients in dead organisms aren't returned back to the ecosystem.

2 It forms ash.

3 A new dark-colored compound is formed.

Q4 (A) 1 Insects 2 Frying an egg

(B) 1 Freezing process. 2 Microplastics.

3 Glass.

Model Exam 10

Q1 (A) • Algae

(B) 1 Because water vapor particles lose energy, and changes from a gas state to liquid water.

2 Because plastic and wood are bad conductors of heat.

3 Because they gain thermal energy, so they change from a solid state to a liquid state.

4 Because helium is not poisonous or flammable.

Q2 (A) • a

(B) 1 water – carbon dioxide

2 top predators

3 physical

4 reproduction

Q3 (A) 1 b 2 a

(B) 1 Germination process.

2 Electron microscope.

3 Carbon dioxide gas.

Q4 (A) 1 ✓ 2 ✓

(B) 1 The magnet attracts the iron nail, while it doesn't attract the stone.

2 Water changes from a liquid state to a gas state.

(C) 1 Traveling by wind.

2 Coming out with animals' stool after eating them.

Government Exams Model Answers

Model ① Cairo – New Cairo Directorate

Q1 (A) 1 ✓ 2 ✗ 3 ✓

(B) • It is used to measure the volume of some matters.

Q2 (A) • Carbon dioxide

(B) 1 Melting process. 2 Food chain.

Q3 (A) • b

(B) 1 Because copper is a good conductor of electricity and can be stretched into a thin flexible wire.
2 Because when the water temperature rises, the coral reefs get rid of algae and its color turns completely into white.

Model ② Giza – 6th October Directorate

Q1 (A) • Rabbit

(B) 1 Because oil has mass and volume.
2 Because plant use sunlight to make its own food, then humans and animals eat plants to get energy.

Q2 (A) • Arteries

(B) 1 Ice cubes melt and become liquid water.
2 The plant can't make photosynthesis process so it dies.

Q3 (A) 1 b 2 b 3 a

(B) • Helium gas

Model ③ Qalyubia – Banha Directorate

Q1 (A) 1 a 2 b 3 a

(B) • Gas state.

Q2 (A) • Tuber

(B) • Because it decomposes dead organisms and recycles nutrients back into ecosystem.

(C) • The paper becomes ash (new substance with different properties).

Q3 (A) • ✓

(B) 1 Sticking to animal fur or human clothes.

2 It is used to fill balloons and blimps.

Model ④ Alexandria – East Directorate

Q1 (A) 1 a 2 b 3 b

(B) • It is used to measure the volume of some matters.

Q2 (A) • producers

(B) 1 Because it can't differentiate between a jellyfish and a piece of plastic in the water.

2 Because its particles are held together and cannot slide over each other.

Q3 (A) • ✗

(B) 1 It can't make its food through photosynthesis process and it dies.

2 The piece of wood floats and the coin sinks.

Model ⑤ Dakahlia – Educational Directorate

Q1 (A) 1 c 2 c 3 c

(B) 1 Because of formation of iron oxide (new substance with new properties) when iron reacts with water and oxygen.

2 Because copper is a good conductor of electricity and can be stretched into a thin flexible wire.

Q2 (A) • Carbon dioxide

(B) 1 Carrot → Rabbit → Snake → Hawk → Bacteria

2

Mixture	Compound
A form of matter formed of two or more substances don't combine chemically.	A form of matter formed of two or more substances combine chemically forming new substance.

3 Plants need sunlight, water and carbon dioxide as basic needs.

- 4 Coral reefs provide food and shelter for large numbers of marine organisms.

Q3 (A) • Stomata

- (B) 1 Producers: - green plant - algae - trees
Consumers: - snake - rabbit
2 be harmed - of flooding
3

P.O.C	Solid state	Gaseous state
Shape	Definite (Fixed)	Indefinite (Variable)
Volume	Definite (Fixed)	Indefinite (Variable)

- 4 Cutting a paper - melting of ice cubes.

Model ⑥ Damietta - Educational Directorate

Q1 (A) 1 c 2 b 3 d 4 d

- (B) • Its leaves become weak and pale green then it dies.

Q2 (A) 1 ✓ 2 x 3 x 4 x

Q3 (A) Classify the following words in these tables:

Human circulatory system	Plant transport system
Veins- Artery - Heart	Xylem- Phloem - Roots

- (B) 1 Caracals 2 Rabbits

Model ⑦ Menoufia - Ashmoon Directorate

Q1 (A) 1 runner 2 sun
3 algae 4 xylem- veins

- (B) • Because plastic is bad conductor of heat.

Q2 (A) • b

- (B) 1 Ice melts and becomes liquid water.
2 The plant can't absorb water and nutrients from the soil.

Q3 (A) 1 x 2 x

- (B) 1 Solid mixture.
2 Seed dispersal by wind.
3 Potato plant.

Model ⑧ Menoufia - Shebin El-Kom Directorate

Q1 (A) 1 x 2 ✓ 3 x

- (B) • Iron rusts and a reddish color layer is formed on iron.

Q2 (A) • stomata

- (B) 1 Because sound and light are forms of energy.
2 Because root hairs increase the amount of absorbed water and nutrients from the soil.

Q3 (A) • ecosystem

(B) 1

Burning paper is a chemical change.	Cutting paper is a physical change.
-------------------------------------	-------------------------------------

2

Bacteria are decomposers, because they decompose dead bodies.	Algae are producers, because they can make their own food through photosynthesis process.
---	---

Model ⑨ Port Said - Port Fouad Directorate

Q1 (A) 1 energy 2 thermometer

- (B) • Its leaves become weak and pale green then it dies.

Q2 (A) 1 c 2 b 3 b

- (B) • Because they can make its own food through photosynthesis process.

Q3 (A) x

- (B) 1 Ecosystem 2 Solid state

Model ⑩ Kafr El-Sheikh - Educational Directorate

Q1 (A) 1 b 2 d 3 c

- (B) • Because plastic is bad conductor of heat.

Q2 (A) • x

- (B) 1 Decomposers 2 Oxygen

Q3 (A) Rusting of iron

- (B) 1 decreases 2 coral bleaching

حمل الآن

مجاناً وحصرياً

امتحانات رقم (3)

الترم الاول



1 A) Choose the correct answer:

- The is a part of the plant that anchors the plant in the soil.
a) root b) leaf c) phloem d) stem

B) Give a reason for:

- 1 Coral reef changes into white color in oceans.
.....
.....
- 2 A table is considered a matter.
.....
- 3 Helium is used to fill balloons and blimps.
.....
- 4 Phloem is very important for the plant.
.....

2 A) Complete the following sentence:

- The ability of a piece of iron to rust is one of the properties of matter.

B) What happens ...?

- 1 If decomposers disappear from the ecosystem.
.....
- 2 If the handles of cooking pans are made up of copper.
.....
- 3 To the speed of particles of a solid when they are heated.
.....
- 4 When a mango juice is poured into a glass.
.....

3 A) Write the scientific term:

- 1 A structure inside plant leaves that gives them their green color and absorbs sunlight. (.....)
- 2 The process by which matter changes from solid to liquid by heating. (.....)

B) What is meant by each of the following ...?

- 1 Photosynthesis process.
.....
.....

2 Consumer organisms.

-
-

3 Model.

-

4 **A) Put (✓) or (X) in front of the following sentences:**

- 1** Hawks don't eat food like plant leaves. ()
- 2** Overfishing is one of the human activities that affects the marine ecosystem. ()

B) Answer the following questions:

1 Mention two human activities that cause habitat loss in the ecosystem.

-

2 Mention the ways used to separate mixtures.

-

3 What is the type of the change that occurs when water is boiled?

-

1 A) Choose the correct answer:

- Among examples of physical change is
 - a) burning of wood
 - b) rusting of iron
 - c) cutting paper
 - d) burning of paper

B) First: Give a reason for:

- 1 Models are important.

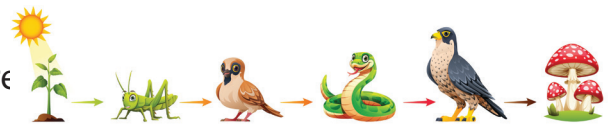
-
-

- 2 In desert homes, roofs are flat and made of mud or strong stones.

-

Second: Look at the opposite figure, then complete:

- 1 In the opposite food chain, the bird is considered a, while fungi are considered



- 2 If are removed, the number of snakes will increase.

2 A) Write the scientific term:

- It is the phenomenon in which corals get rid of the algae living in their tissues, causing the corals to turn completely white. (.....)

B) First: What happens ...?

- 1 If the flower is removed from the plant.

-

- 2 To the water vapor after touching a cold object.

-

Second: What is the importance of ...?

- 1 Plant stem.

-

- 2 Copper.

-

3 A) Put (✓) or (X) in front of the following sentences:

- 1 When water and oil are mixed, their properties change, but their total mass remains equal to the mass before mixing. ()
- 2 Temperature is used to measure the length of a book. ()

B) What is meant by ...?

- 1 Reproduction process in plant.
•
- 2 Particles.
•
- 3 Decomposers.
•

4 A) Complete the following sentence:

- 1 Particles of matter have a lot of energy and spaces.
- 2 We can use in making hammers, while is used in making gloves.

B) Answer the following questions:

- 1 What are the three states of matter?
•
- 2 Mention the chemical properties of helium gas.
•
- 3 Compare between the effects of gentle rain and heavy rain on the desert ecosystem.

Gentle rain	Heavy rain
.....	

1 A) Choose the correct answer:

• Particles of are very close to each other.

- a) gold b) steam c) milk d) oxygen

B) First: Give a reason for:

1 Roots play an important role in the photosynthesis process in plants.

•

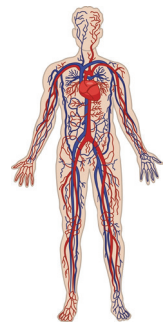
2 Atmosphere is considered as a gaseous mixture.

•

Second: Look at the opposite figure, then answer:

1 The opposite figure represents the system in human body.

2 The main organ in this system is the , and its function is



2 A) Complete the following sentence:

• Matter can be physically described by its,, and

B) First: What happens ...?

1 To the speed of particles when liquid water changes into water vapor.

•

2 When you boil an amount of sea water for a period of time.

•

Second: What are the uses/ is importance of ...?

1 Stomata.

•

2 Measuring tape.

•

3 A) Correct the underlined words:

1 Seabirds feed on microorganisms. (.....)

2 Meter is the measuring unit of mass. (.....)

B) What is meant by ...?

1 Ecosystem

.....

2 Population

.....

3 Food chain

.....

4 A) Cross out the odd word:

1 Stone – Coin – Iron nail – Honey

(.....)

2 Snake – Insects – Caracal – Trees

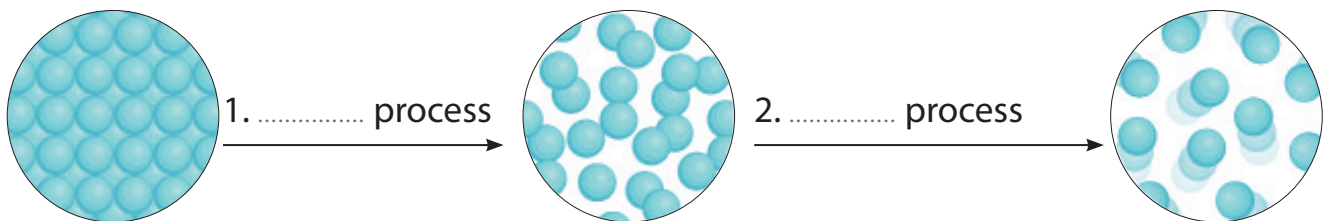
(.....)

B) Answer the following questions:

1 Compare between secondary consumers and tertiary consumers.

Secondary consumers	Tertiary consumers
.....	

2 Complete the following diagram.



3 Form a food chain by using the following organisms.

(Rabbit – Snake – Hawk – Grass)

.....

1 A) Write the scientific term:

- It is a form of a plant's stem that runs along the ground. (.....)

B) First: Cross out the odd word:

- 1 Grass – Rat – Hawk – Snake (.....)
- 2 Algae – Clam – See star – Zooplankton (.....)

Second: Compare between each of the following:

- 1 Arteries and veins.

Arteries	Veins
.....	
.....	

- 2 Physical and chemical changes of matter with examples.

Physical changes	Chemical changes
.....	
.....	
Example:	Example:

2 A) Correct the underlined word:

- The first link in any food chain is a consumer. (.....)

B) What is the meaning of ...?

- 1 Predators
 -
- 2 Desalination
 -
- 3 Habitat restoration
 -
- 4 Food web
 -
 -

3 A) Put (✓) or (X) in front of the following sentences:

- 1 The roofs of tropical rainforest homes are similar to the roofs of desert homes. ()
- 2 By squeezing a balloon, the spaces between gas particles will decrease. ()

B) Give a reason for:

- 1 Although water vapor is invisible, we can see steam during cooking.
•
- 2 Iron is a solid matter.
•
- 3 Coconut seeds are dispersed by water.
•

4 A) Choose the correct answer:

- 1 Coral reefs are considered as a/an
a) insects b) bacteria c) ecosystem d) fungi
- 2 The model is the model of the Earth that shows its shape and the water covering its surface.
a) germ b) globe c) volcano d) airplane

B) Answer the following questions:

- 1 Mention the ways of seed dispersal in nature.
•
•
- 2 What are the units used to measure the volume of liquid matter?
•
- 3 Compare between the properties of glass, steel and rubber.

Glass	Steel	Rubber
.....		

1

- d) Pine

1

21

- 2

- 2

- 1

- 2

- ## Primary 5

Second: Define:

1 Mass of matter.

.....

2 Preys.

.....

3 A) Write the scientific term:

1 A safe area in the sea or ocean where small pieces of corals are nurtured until they can be returned to dying reefs. (.....)

2 The system that transports water, nutrients, and food among the different parts of the plant. (.....)

B) Give a reason for:

1 Soil fertility depends on decomposers.

.....

2 The presence of root hair in plant's root.

.....

.....

3 Sea turtles eat plastic bags instead of jellyfish.

.....

4 A) Correct the underlined words:

1 Maple seeds travel by wind because they are heavy. (.....)

2 Water is found in four states. (.....)

B) Answer the following questions:

1 List two properties of mixtures.

.....

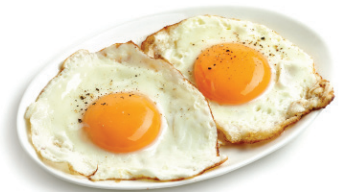
.....

2 Look at the opposite figure, then answer:

a - The opposite figure represents a change.

b - The evidence that describe this change is

.....



1 A) Choose the correct answer:

- The is a part of the plant that anchors the plant in the soil.
a) root b) leaf c) phloem d) stem

B) Give a reason for:

- 1 Coral reef changes into white color in oceans.
 - Because when the water temperature increases, corals get rid of the algae living in their tissues, causing them to turn completely white (coral bleaching).
- 2 A table is considered a matter.
 - Because it has mass and volume.
- 3 Helium is used to fill balloons and blimps.
 - Because it is lighter than air.
- 4 Phloem is very important for the plant.
 - Because it transports glucose from leaves to all parts of the plant.

2 A) Complete the following sentence:

- The ability of a piece of iron to rust is one of the **chemical** properties of matter.

B) What happens ...?

- 1 If decomposers disappear from the ecosystem.
 - Energy and nutrients will not return back to the soil and air.
- 2 If the handles of cooking pans are made up of copper.
 - They will conduct heat and become hot.
- 3 To the speed of particles of a solid when they are heated.
 - The particles gain thermal energy, so their speed increases.
- 4 When a mango juice is poured into a glass.
 - It takes the shape of the glass.

3 A) Write the scientific term:

- 1 A structure inside plant leaves that gives them their green color and absorbs sunlight. (Chlorophyll)
- 2 The process by which matter changes from solid to liquid by heating. (Melting)

B) What is meant by each of the following ...?

- 1 Photosynthesis process.
 - It is the process by which green plants make their own food using sunlight, carbon dioxide, and water, producing glucose and oxygen.

2 Consumer organisms.

- They are organisms that cannot make their own food; so, they get their energy by eating other organisms (plants or other animals).

3 Model.

- It is a copy that is similar to a real thing.

4 A) Put (✓) or (X) in front of the following sentences:

- 1** Hawks don't eat food like plant leaves. (✓)
- 2** Overfishing is one of the human activities that affects the marine ecosystem. (✓)

B) Answer the following questions:

- 1** Mention two human activities that cause habitat loss in the ecosystem.
- 1- Building roads 2- Throwing waste materials in water
- 2** Mention the ways used to separate mixtures.
- 1- Evaporation 2- Magnetic attraction 3- Filtration
- 3** What is the type of the change that occurs when water is boiled?
- Physical change.

1 A) Choose the correct answer:

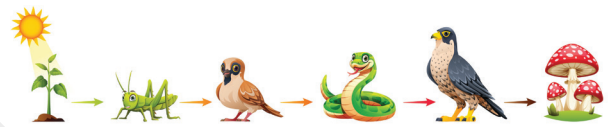
- Among examples of physical change is
 - a) burning of wood
 - b) rusting of iron
 - c) cutting paper
 - d) burning of paper

B) First: Give a reason for:

- 1 Models are important.
 - Because they help us see very big things in a smaller size or very tiny things in a bigger size, and understand how things work.
- 2 In desert homes, roofs are flat and made of mud or strong stones.
 - To reflect the heat from the Sun and protect the home from dust and dirt.

Second: Look at the opposite figure, then complete:

- 1 In the opposite food chain, the bird is considered a **secondary consumer**, while fungi are considered **decomposers**.
- 2 If **hawks** are removed, the number of snakes will increase.



2 A) Write the scientific term:

- It is the phenomenon in which corals get rid of the algae living in their tissues, causing the corals to turn completely white. **(Coral bleaching)**

B) First: What happens ...?

- 1 If the flower is removed from the plant.
 - The plant can't reproduce.
- 2 To the water vapor after touching a cold object.
 - It condenses and changes from gaseous state to liquid state.

Second: What is the importance of ...?

- 1 Plant stem.
 - It transports water and nutrients from roots to leaves.
- 2 Copper.
 - It is used in making electrical wires and cooking pots.

3 A) Put (✓) or (X) in front of the following sentences:

- 1 When water and oil are mixed, their properties change, but their total mass remains equal to the mass before mixing. (X)
- 2 Temperature is used to measure the length of a book. (X)

B) What is meant by ...?

- 1 Reproduction process in plant.
• It is the process of making new plant.
- 2 Particles.
• They are the building units of matter.
- 3 Decomposers.
• They are organisms that carry out the process of decomposition by breaking down the decayed dead organisms.

4 A) Complete the following sentence:

- 1 Particles of **gas** matter have a lot of energy and spaces.
- 2 We can use **steel** in making hammers, while **rubber** is used in making gloves.

B) Answer the following questions:

- 1 What are the three states of matter?
• - Solid state - Liquid state - Gas state
- 2 Mention the chemical properties of helium gas.
• - It is not poisonous. - It is not flammable.
- 3 Compare between the effects of gentle rain and heavy rain on the desert ecosystem.

Gentle rain	Heavy rain
The desert ecosystem will be improved.	The desert ecosystem will be harmed.

1 A) Choose the correct answer:

- Particles of are very close to each other.

a) gold b) steam c) milk d) oxygen

B) First: Give a reason for:

- 1 Roots play an important role in the photosynthesis process in plants.

- Because they absorb water and nutrients from soil.

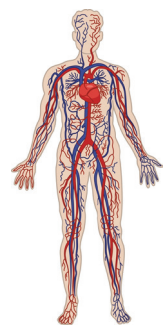
- 2 Atmosphere is considered as a gaseous mixture.

- Because it is made up of a mixture of different gases.

Second: Look at the opposite figure, then answer:

- 1 The opposite figure represents the **circulatory** system in human body.

- 2 The main organ in this system is the **heart**, and its function is **to pump the blood to all body parts**.



2 A) Complete the following sentence:

- Matter can be physically described by its **color, shape, texture, and size**.

B) First: What happens ...?

- 1 To the speed of particles when liquid water changes into water vapor.

- The speed of particles increases and move faster.

- 2 When you boil an amount of sea water for a period of time.

- Water evaporates and changes into water vapor leaving salts and other minerals.

Second: What are the uses/ is importance of ...?

- 1 Stomata.

- They allow gases to move in and out of the plant.

- 2 Measuring tape.

- It is used to measure the length of matter.

3 A) Correct the underlined words:

- 1 Seabirds feed on microorganisms.

(small fish)

- 2 Meter is the measuring unit of mass.

(Kilogram or Gram)

B) What is meant by ...?

1 Ecosystem

- It is an area that contains living organisms and non-living things that interact with each other.

2 Population

- It is the number of organisms of one type of species living in an area.

3 Food chain

- It is a model that shows how energy passes between living organisms in an ecosystem.

4 A) Cross out the odd word:

1 Stone – Coin – Iron nail – Honey

(Honey)

2 Snake – Insects – Caracal – Trees

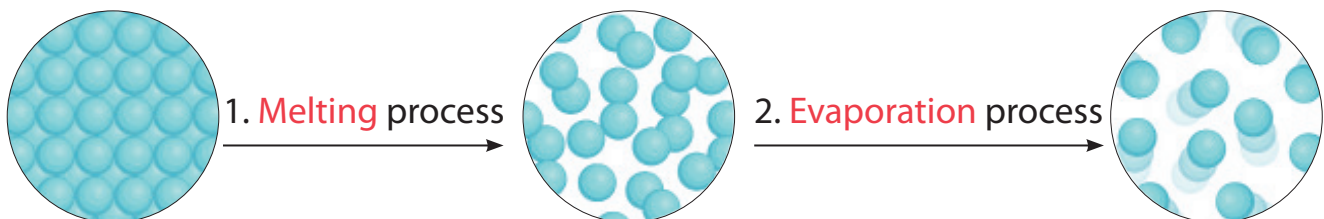
(Trees)

B) Answer the following questions:

1 Compare between secondary consumers and tertiary consumers.

Secondary consumers	Tertiary consumers
They are organisms that eat primary consumers.	They are organisms that eat secondary consumers.

2 Complete the following diagram.



3 Form a food chain by using the following organisms.

(Rabbit – Snake – Hawk – Grass)

- Grass → Rabbit → Snake → Hawk

1 A) Write the scientific term:

- It is a form of a plant's stem that runs along the ground. (Runner stem)

B) First: Cross out the odd word:

- Grass – Rat – Hawk – Snake (Grass)
- Algae – Clam – See star – Zooplankton (Algae)

Second: Compare between each of the following:

- Arteries and veins.

Arteries	Veins
They are vessels that carry blood rich in oxygen and nutrients from the heart to all the body cells.	They are vessels that return the blood that carry carbon dioxide back to the heart.

- Physical and chemical changes of matter with examples.

Physical changes	Chemical changes
It is a change of matter without any change in its structure.	It is a change of matter with a change in its structure producing a new substance.
Example: Melting ice	Example: Flammability

2 A) Correct the underlined word:

- The first link in any food chain is a consumer. (producer)

B) What is the meaning of ...?

- Predators
 - They are animals that eat other animals.
- Desalination
 - It is the process of removing salt from water.
- Habitat restoration
 - It is the process of returning a habitat back to its natural state before harm was done.
- Food web
 - It is a model that shows several interconnected food chains among living organisms.

3 A) Put (✓) or (X) in front of the following sentences:

- 1 The roofs of tropical rainforest homes are similar to the roofs of desert homes. (X)
2 By squeezing a balloon, the spaces between gas particles will decrease. (✓)

B) Give a reason for:

- 1 Although water vapor is invisible, we can see steam during cooking.
• Because steam is made up of tiny water droplets formed when water vapor condenses in the cooler air.
2 Iron is a solid matter.
• Because it has a definite volume and a definite shape.
3 Coconut seeds are dispersed by water.
• Because they can float on water.

4 A) Choose the correct answer:

- 1 Coral reefs are considered as a/an
a) insects b) bacteria c) ecosystem d) fungi
2 The model is the model of the Earth that shows its shape and the water covering its surface.
a) germ b) globe c) volcano d) airplane

B) Answer the following questions:

- 1 Mention the ways of seed dispersal in nature.
• Seeds can be dispersed by: Water – Wind – Stick to animal fur or human clothes
– Eating seeds by animals, then excreted in another place.
2 What are the units used to measure the volume of liquid matter?
• Liters (L) and milliliters (mL).
3 Compare between the properties of glass, steel and rubber.

Glass	Steel	Rubber
It is transparent and smooth.	It is hard and strong.	It is waterproof and flexible.

1

- d) Pine

B) First: Compare between each of the following:

1 Mixture and compound.

Mixture	Compound
It is the substance that consists of more than one matter without chemical combination between its components.	It is a matter that is formed when two or more materials combine chemically to form a new substance.

2 The particles of solids, liquids and gases "in terms of their shapes and movement".

Solid particles	Liquid particles	Gas particles
They are packed tightly together.	They have more spaces.	They have a lot of spaces.
They vibrate in their positions.	They move faster than solids.	They move freely.

Second: What is the use of ...?

- It is used to measure the temperature of objects.

2 A) Complete the following sentence:

- The population of that species will decrease, move to another place, or die.

Second: Define:

- 1 Mass of matter.
 - It is the amount of matter in an object.
- 2 Preys.
 - They are animals eaten by other animals.

3 A) Write the scientific term:

- 1 A safe area in the sea or ocean where small pieces of corals are nurtured until they can be returned to dying reefs. (Nursery)
- 2 The system that transports water, nutrients, and food among the different parts of the plant. (Plant transport system)

B) Give a reason for:

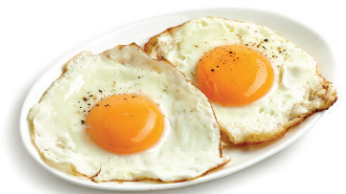
- 1 Soil fertility depends on decomposers.
 - Because they recycle back nutrients to the soil and air.
- 2 The presence of root hair in plant's root.
 - To increase the amount of absorbed water and nutrients that the plant needs from the soil.
- 3 Sea turtles eat plastic bags instead of jellyfish.
 - Because they cannot see the difference between their real food (jellyfish) and the plastic bags in the water.

4 A) Correct the underlined words:

- 1 Maple seeds travel by wind because they are heavy. (light)
- 2 Water is found in four states. (three)

B) Answer the following questions:

- 1 List two properties of mixtures.
 - All materials that form a mixture don't combine chemically.
 - Each material in the mixture keeps its properties.
- 2 Look at the opposite figure, then answer:
 - a - The opposite figure represents a **chemical** change.
 - b - The evidence that describe this change is **cooking can't be reserved again.**



حمل الآن

مجاناً وحصرياً

امتحانات رقم (4)

الترم الاول



Grade 5 model exams

Model exam (1)

مقدم مجاناً من قناة مستر ساينس على اليوتيوب



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اليوتيوب

1-Complete the following statements from the brackets :

- 1 - The leaves of plants absorb..... (Water - Carbon Dioxide)
- 2 - Food web show..... (Food interaction between organisms - components of the Ecosystem)
- 3 - Particles in the gaseous state..... (coherent - Incoherent)
- 4 - A gram is equal to a mass of (Paper clip - liter of water)
- 5 -Process occurs When oxygen reacts with carbon and hydrogen. (Rusting - Burning)

2-Put (✓) in front of the correct phrase and (X) in front of the wrong statement:

- 1 - scavengers help in the decomposition of the remains of dead plants and animals into nutrients. ()
- 2 - Seabirds build their nests on top of mountain cliffs . ()
- 3 - Solids take the shape of its container. ()
- 4 - The volume of water can be measured using a thermometer. ()
- 5 - Rubber is used in the manufacture of glasses. ()

3- Choose from column (A) what suits column (B):

column (A)	column (B):
1-Pine tree leaves	() Lighter than air.
2 – Shelter to many fish	()Electrical conductor.
3 -From helium properties	() Small and needle shape
4 – From copper properties	()Coral Reefs

B- From the opposite fig, plant was covered with a bag for several days,:

- 1 - The plant becomes..... (Strong and green - yellow and weak).
- 2 - Plant will.....food (Stop producing – produce).





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Model exam 2

1-Choose the correct answer:

1- plant makes its food by photosynthesis process in the presence of the sun, water andgas

- a-Nitrogen b- carbon dioxide c- oxygen d- ozone

2 - from living organisms in the ecosystem

- a- Sunlight b- Plant c-Rock d-A and B

3- particles of gas state

- A -move slowly B- close to each other c- move fast d-very strong

4 - Balloons filled with..... gas.

- a-oxygen b- carbon dioxide C-helium d- radon

5 - The substance that has a fixed shape is

- A – solids B- liquid c- gas D-A and B

B-Choose from column (A) what suits column (B)

column (A)	column (B)
1 - Natural habitats.	() It is considered food for microorganisms.
2 - Small fish.	() Provide living organisms with what they need
	() Considered food for seabirds

Q.2 -A- Put (✓) in front of the correct phrase and (X) in front of the wrong statement:

1 – hair roots reduce the amount of water and nutrients absorbed by the plant. ()

2 – Hawks get energy from animals indirectly. ()

3 - Gaseous substances change their shape and volume with the change of the shape and volume of the vessel in which they are placed. ()

B- Complete the following statements from the brackets :

1 - Bread mold and mushrooms are..... (decomposers - Consumers)

2 - Tubers are found in (Potato plant - grape plant)

3 - When the water is heated to a boiling point, the amount of water..... (Decrease - Increase)

Q.3 – Arrange the following organisms to form a correct food chain





Model exam 3

Q.1.A - Complete the following statements from the brackets :

- 1 - The leaves of plants contain..... gives them their green color. (Chlorophyll - Stomata)
- 2 -is a consumer in the third level of the food chain. (Sheep - Lion)
- 3 - Solids, liquids and gaseous matters are similar in(having fixed size – occupying space)
- 4 - Solid iron is considered amaterial. (soft - hard)
- 5 - The flow of sand in the hourglass is considered a..... change. (Physically - Chemically)

B- Put (✓) in front of the correct phrase and (X) in front of the wrong statement:

- 1.Green plants are the main source of energy for all living organisms on the planet. ()
- 2 - Plastic particles keep the balance of food web in the marine environment. ()
- 3 - The particles of the gaseous matter move faster than the solid and liquid matter. ()
- 4 - physical properties of matter can be observed and measured by using the senses. ()
- 5 - The freezing process is the reverse process of the melting process. ()

Q.2 - Write the scientific term:

- 1 - hair-like shape, found on the roots of plants, increase the amount of water and nutrients absorbed by the plant . ()
- 2 - A system consisting of the heart and blood vessels, responsible for the transport of nutrients and oxygen to and from the body. ()
- 3 - The amount of matter that the body contain . ()
- 4 - The ability of the material to transfer heat and electricity through it . ()

Q.3-The stem in plants has different shapes, determine the shape of the stem in the following plants:

- 1 - trunks and shrubs.....
- 2 - Most of the flowers.....
- 3 - Grape plant.
- 4 - Potato plant.

Model exam 4



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Q.1 A - Choose the correct answer:

- 1 - Worms from decomposers in the ecosystems because
 - a- They feed on live animals
 - b- they feed on living plants
 - c- Produces food
 - d- returns nutrients to the soil
- 2 - Part that fix plant in the soil is
 - a- Root
 - b-Stem
 - c-Leaf
 - d-Flower
- 3 -Matter whose particles move freely
 - a- Solid
 - b-Liquid
 - c-Gas
 - d-A and B
- 4 - Material of definite volume and takes the shape of its container is
 - a- air
 - b- water
 - c-pen
 - d- Book
- 5 – from nonliving -things.....
 - a- Herbs
 - b- Rabbit
 - c-Soil
 - d-Snake

B- Choose from column (A) what suits column (B)

column (A)	column (B)
1 - The amount of matter contained in the body is	() Temperature.
2 - The amount of vacuum occupied by the material is	() Mass. .
	() volume

Q.2 Put (✓) in front of the correct phrase and (X) in front of the wrong statement:

- 1 - The gaseous substance has a definite volume and shape. ()
- 2 - Each plant or animal may be part of several food chains. ()
- 3 - Plants need water to form a strong stem and leaves. ()

Q.3 -A -Complete the following statements from the brackets:

- 1 - Xylem transfer water rich in nutrient to..... (Top of the plant - bottom of the plant)
- 2 -From secondary consumers. (Birds - crocodile)
- 3 - When the thermal energy of body particles increases, it becomes (Hotter - cooler)

B- Form a food chain from the given organisms, What would happen if the number of birds decrease (Snake - Locust - Bird - Weeds – Hawk).



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1-Choose the correct answer:

1- Photosynthesis process take place inside

- a- Root b-Stem c-Leaf d-Flower

2 – The food chain always start with.....

- a- producer b- consumer c-decomposer d-predator

3- particles are packed tightly with each other in

- a -water b- iron c- oxygen d-all the previous

4 – the measuring unit of mass is

- a-liter b- cm C-gram d- ml

5 - The substance that has a variable shape and volume shape is

- A – solids B- liquid c- gas D-A and B

B- Form a food chain from the given organisms,

(small fish – seabirds – bacteria – microorganisms floating on the surface)

Q.2 -A- Put (✓) in front of the correct phrase and (X) in front of the wrong statement:

1 – The transport system of plant does the same function of circulatory system in human . ()

2 – Habitat loss is one of the main causes of extinction ()

3 – The roof of desert home is similar to rainforest home ()

4-The matter change from one state to another by increasing or decreasing of temperature()

B- What is the main parts of plants ?

Q.3 - A - Complete the following by using the following words

(Phloem –bacteria and fungi – measuring tape – melt – balance – evaporates)

1 –transport the glucose from the leaves to other parts of plants

2 – When iceit will change from solid state to liquid state

3 – We can measure the length of the class room by using

B – What is the reason for coral bleaching?



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1-Choose the correct answer:

1-is from non-living parts in ecosystem

- a- Fungi b-Plants c-Soil d-Grasshopper

2 – Lion is from

- a- producer b- grass eaters c-decomposer d-predator

3- From the example of matter that attracted to the magnet is

- a -cork b- iron c- wood d-plastic

4 – the measuring unit of volume is

- a-cm³ b- cm C-gram d- kg

B- Form a food chain from the given organisms, What would happen if the number of rats decrease (regarding to the number of grass (hawk – grass – snake – rat)

Q.2 -A- Put (✓) in front of the correct phrase and (X) in front of the wrong statement:

- 1 – Plants make their own food by respiration. ()
- 2 – Decomposer haven't no role in the ecosystem. ()
- 3 – The atmosphere is a mixture of different gases. ()
- 4-Glass is a transparent material used in making eye glass. ()

B- Mention two methods of seed dispersal.

Q.3 - A - Complete the following by using the following words

(model –physical – unbalance – producers – decomposer – chemical)

- 1 – When a drought occurs in a lake , it causesin ecosystem
- 2 – Theget energy from sunlight.
- 3 -Iron rust and burning reactions are fromchanges
- 4-.....is a copy that is similar to real thing to show what it looks like or work like

B – What are the reasons of losing habitat?

Answer model exam 1

1- complete

<u>1- carbon dioxide</u>	<u>2- food interaction organisms</u>	<u>3- incoherent</u>
<u>4- paper clip.</u>	<u>5- burying</u>	

2- put (√) or (×)

<u>1- ×</u>	<u>2- √</u>	<u>3- ×</u>
<u>4- ×</u>	<u>5- ×</u>	

3- A - choose from (A) what suits column (B)

<u>1- small and needle shape</u>	<u>2- Coral Reels</u>	<u>3- lighter than air</u>
<u>4- Electrical conductor</u>		

B- from the apposite fig

<u>1- Yellow and weak</u>	<u>2- Stop producing</u>
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Answer model exam 2

1- choose the correct answer

<u>1- Carbon dioxide</u>	<u>2- plant</u>	<u>3- move fast</u>
<u>4- helium</u>	<u>solids</u>	

3- A - choose from (A) what suits column (B)

<u>1- provide living organisms with what they need</u>	<u>2- considered food for seabirds</u>
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Q.2 a- put (√) or (×)

<u>1- ×</u>	<u>2- ×</u>	<u>3-√</u>
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b- complete

<u>1- decomposers</u>	<u>2- potato plant</u>	<u>3- decrease</u>
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- Which of the following statements

Q.3

<u>c) Grass → locust → rat → Snakes</u>

Answer model exam 3

Q.1-A- complete

<u>1- Chlorophyll</u>	<u>2- lion</u>	<u>3- occupying space</u>
<u>4- hard</u>	<u>5-physically</u>	

B- put (√) or (×)

<u>1- √</u>	<u>2- ×</u>	<u>3- √</u>
<u>4- √</u>	<u>5- √</u>	

Q.2- Write the scientific term

<u>1- root hairs</u>	<u>2-Circulatory system</u>	<u>3-mass</u>
<u>4-conductivity</u>		

Q.3- The steam in plants

<u>1- wooden stem</u>	<u>2- upright stem</u>	<u>3- climbing stem</u>
<u>4-tubers</u>		



Answer model exam 4

Q1- A- choose the correct answer

1- <u>Returns nutrients</u>	2- <u>root</u>	3- <u>gas</u>
4- <u>water</u>	5- <u>soil</u>	

B- choose from (A) what suits column (B)

<u>1- mass</u>	<u>2-volume</u>	
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Q.2- put (√) or (×)

<u>1 - ×</u>	<u>2-√</u>	<u>3-√</u>
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Q.3 A - complete the correct answer

<u>1-Top the plant</u>	<u>crocodile</u>	<u>hotter</u>
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- Write a food chain

1- weeds → locusts → birds → snake → Hawk

-The number of locusts increase so the number of weeds will decrease

Answer model exam 5

Q.1) A) 1- leaf - 2- producer 3- iron 4- gram 5- gas

B)

Microorganisms floating on the surface → small fish → seabirds → bacteria)

Q.2) A-

1- $\sqrt{\quad}$ 2- $\sqrt{\quad}$ 3- x 4- $\sqrt{\quad}$

B- roots - stem and leaves

Q.3) 1- phloem

2- melt

3-measuring tape

B- from the reasons of coral bleaching rising up the temperature of water

Answer model exam 6

1-A-

1- soil 2- predators 3- iron 4- cm^3

B- Grass $\rightarrow$ rat $\rightarrow$ snake $\rightarrow$ hawk

When the number of rat decrease the number of grass will increase

2-A- 1- X 2- X 3- $\sqrt{\quad}$ 4- $\sqrt{\quad}$

B- by air - by water - by the movement of living organisms

3-A- 1- unbalance

2-producers

3-chemical

4-model

B- From the reasons of losing habitat:

1- cutting trees

2- add buildings and roads

3- overfishing

4- add wastes to water



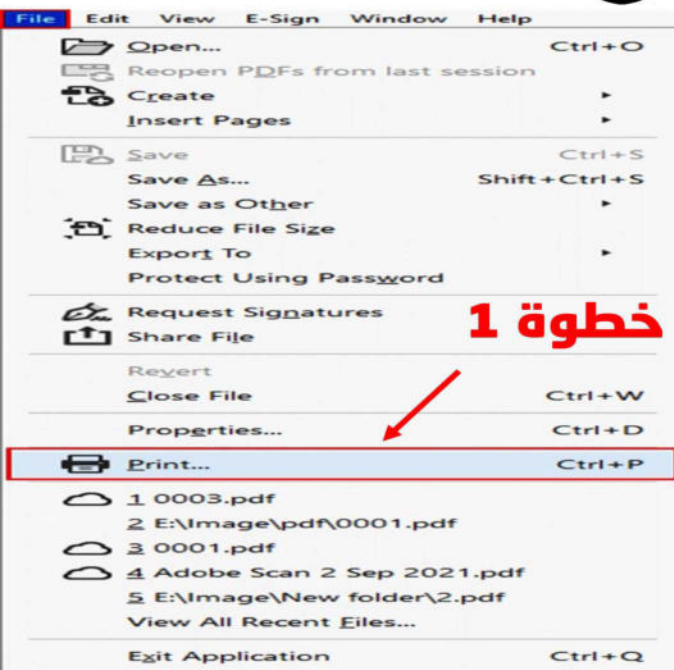
Mr.Science
Sherif Hawary



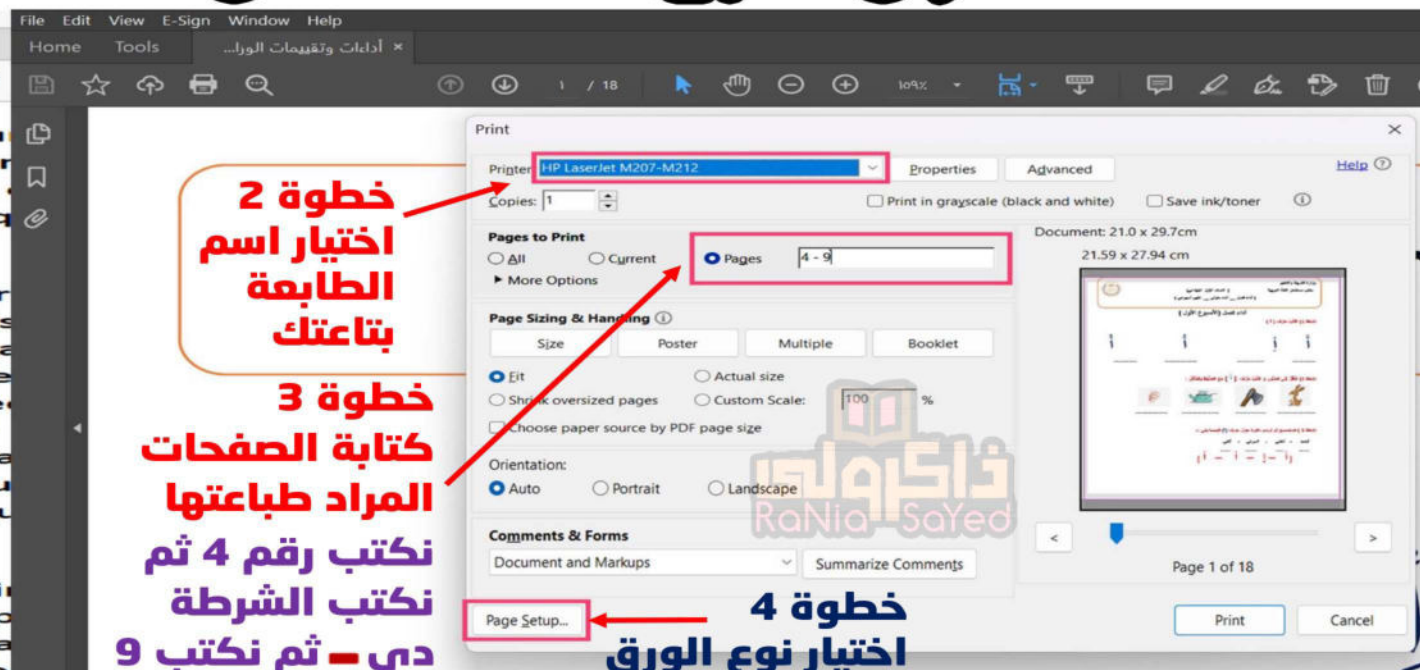
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اليوتيوب

كيفية طباعة صفحات معينة من ملف معين

مثلا ازاي نطبع الصفحات من صفحة 4 الى صفحة 9



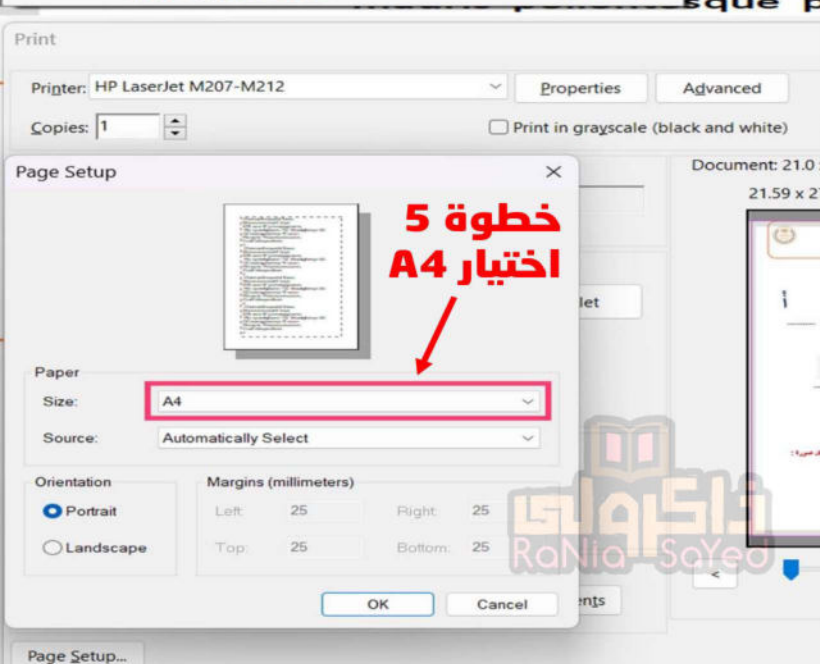
خطوة 1



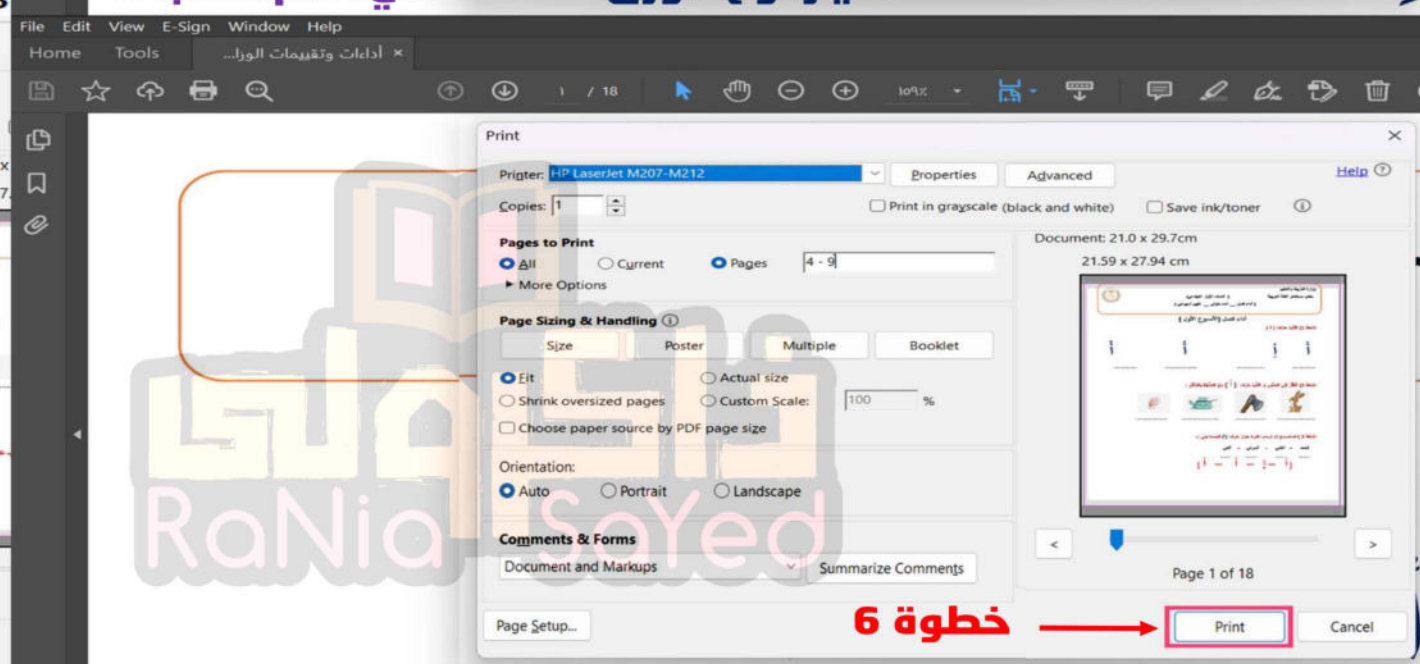
خطوة 2
اختيار اسم
الطابعة
بتاعتك

خطوة 3
كتابة الصفحات
المراد طباعتها
نكتب رقم 4 ثم
نكتب الشرطة
دي - ثم نكتب 9

خطوة 4
اختيار نوع الورق



خطوة 5
اختيار A4



خطوة 6